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Preface

The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The Office of Petroleum and Biofuels Statistics, U.S. Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the *Petroleum Marketing Monthly*.

Scope of data

The data within the *Petroleum Marketing Monthly* are compiled from five Energy Information Administration (EIA) survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

The data presented in Tables 45 to 47 are derived from aggregations of data from Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the *Petroleum Marketing Monthly* in six sections:

- Highlights
- Summary Statistics
- Crude Oil Prices
- Prices of Petroleum Products
- Volumes of Petroleum Products
- Prime Supplier Sales Volumes of Petroleum Products for Local Consumption.

The publication highlights salient statistics for the United States in the Summary Statistics section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual States for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual States.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section.

PAD District and/or State-level statistics for petroleum products are presented in the Prices, Volumes, and Prime Supplier Sales of Petroleum Products sections. To aid the reader in determining the market changes, the majority of the tables show data for the report month and previous month for the current year, and the report month for the previous year.

Notes on the tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States includes

the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use state abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are a component of averages and totals prior to October 1993.
- References to “Refiners” include gas plant operators (see the Glossary for definition of “Gas plant operators”).
- “Prime supplier” refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category “Retail outlet” refers to any company-operated outlet selling gasoline, on-highway diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).
- Beginning with the February 2007 data release, EIA revised the table formats and content for the *Petroleum Marketing Monthly (PMM)* to eliminate oxygenated gasoline as a separate category and to revise the categories of diesel fuel (i.e., ultra-low sulfur, low sulfur, and high sulfur). In conjunction with these changes, the Total columns in certain PMM tables have been eliminated to help ensure that sensitive data reported to EIA by individual survey respondents may not be closely estimated using the aggregates published by EIA. Refer to the Product Guide for new table numbers.
- As of January 2012, EIA changed the methodology used to calculate the initial price estimates for refiner acquisition costs of crude oil. The price estimate for domestic crude oil comes from a regression model based on West Texas Intermediate (WTI) crude oil spot market prices. The price estimate for imported crude oil comes from a regression model that uses a basket of world crude oil prices. The composite price estimate is a weighted average of the domestic and imported prices based on refinery receipts data found in the *Petroleum Supply Annual*.
- Final revisions to 2010 and 2011 monthly and annual values in Tables 1, 1A, and 18-27 were added to the *Petroleum Marketing Monthly* in the March 2013 issue.
- As of the March 2016 data release, January and February 2016 OPEC and Non-OPEC crude oil prices in Tables 21 and 22 were revised to include Indonesia in OPEC and exclude it from Non-OPEC.
- Beginning with the November 2017 data release, due to the increase of crude oil activity in the North Dakota region, EIA replaced the North Dakota Sweet Crude Stream on the EIA-182, Domestic Crude Oil First Purchase Report with the predominant North Dakota Bakken Crude Stream to provide an accurate price estimate for an important high volume crude stream regularly traded in domestic crude oil markets.

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Highlights

Crude oil

- Monthly average crude oil prices fell in all sales categories in November. The average domestic crude oil first purchase price declined \$9.53 (14.6%), to \$55.65 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil decreased \$14.11 (23.9%) to \$44.97 per barrel, while the average landed cost of foreign crude oil fell \$14.55 (23.5%), to \$47.29 per barrel.
- The average refiner acquisition cost for domestic crude oil declined \$10.61 (14.5%), to \$62.47 per barrel. The average cost of imported crude oil fell \$13.35 (19.7%), to \$54.39 per barrel. The composite refiner acquisition cost for crude oil dropped \$11.96 (16.9%), to \$59.01 per barrel.

Petroleum products

Motor gasoline

- Monthly average prices for refiner sales of motor gasoline show across-the-board decreases. The average retail price fell 23.6 cents to \$2.205 per gallon, while the average wholesale price declined 35.7 cents to \$1.733 per gallon.
- Sales of finished motor gasoline by refiners fell in November. Total sales declined 4.4 million gallons per day (1.3%) to an average of 326.5 million gallons per day. Retail sales dropped 100,000 gallons per day (0.4%), while wholesales decreased 4.3 million gallons per day (1.4%). DTW sales accounted for 7.1% of wholesales, while rack and bulk sales made up 87.4% and 5.5%, respectively.

No. 2 distillate

- November monthly average prices for refiner sales of No. 2 distillates decreased from October levels. The average price for No. 2 diesel fuel sold to end users fell 21.7 cents to \$2.283 per gallon, while the average wholesale price declined 24.9 cents to \$2.130 per gallon. The average retail price for No. 2 fuel oil dropped 26.5 cents to \$2.431 per gallon, while the average wholesale price fell 18.5 cents to \$2.096 per gallon.
- Refiner sales of No. 2 ultra-low sulfur diesel declined 6.9 million gallons per day (4.0%) to 165.7 million gallons per day in November. Retail sales dropped 300,000 gallons per day (2.3%), while wholesales decreased 6.6 million gallons per day (4.1%).

Residual Fuel Oil

- Monthly average prices for refiner sales of residual fuel oil decreased in November. The wholesale price for low-sulfur residual fuel oil fell 26.0 cents to \$1.360 per gallon. The price for high-sulfur residual fuel oil declined 8.5 cents to \$1.731 per gallon at retail, while the wholesale price dropped 13.7 cents to \$1.566 per gallon.
- Refiner residual fuel oil sales declined in November to 10.1 million gallons per day. Retail sales dropped 400,000 per day (10.5%), while wholesales declined 600,000 gallons per day (8.2%).

Other products

- Refiner prices for the remaining surveyed products declined in November. Prices for propane, kerosene-type jet fuel, and No. 1 distillate prices fell in both the retail and wholesale categories. Prices for aviation gasoline and kerosene prices decreased at the wholesale level.
- Refiner sales of propane and kerosene-type jet fuel fell at retail but increased at wholesale during November, while No. 1 distillate sales rose in both sales categories. Sales of kerosene sales rose at the wholesale level, while aviation gasoline sales dropped in the same category.

Table HL1. U.S. refiner prices and volumes of petroleum products

prices: dollars per gallon excluding taxes, volumes: million gallons per day

Products	Sales to end users						Sales for resale					
	November 2017		October 2017		November 2018		November 2017		October 2017		November 2018	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	2.205	24.6	2.441	24.7	2.122	24.3	1.733	301.9	2.090	306.2	1.806	304.8
Conventional	2.035	15.4	2.297	15.2	2.029	15.2	1.676	205.0	2.035	208.3	1.773	206.4
Regular	1.982	13.6	2.247	13.5	1.984	13.5	1.639	184.1	1.999	187.1	1.741	184.7
Midgrade	2.312	0.8	2.538	0.7	2.231	0.8	1.855	1.3	2.213	1.3	1.912	1.5
Premium	2.565	1.0	2.806	1.0	2.489	1.0	2.006	19.6	2.363	19.8	2.063	20.2
Reformulated	2.487	9.3	2.672	9.5	2.279	9.0	1.853	97.0	2.206	97.9	1.874	98.4
Regular	2.373	6.9	2.568	7.1	2.188	6.7	1.799	81.0	2.152	81.9	1.828	82.1
Midgrade	2.713	0.9	2.873	0.9	2.438	0.9	1.997	0.6	2.361	0.6	1.980	0.7
Premium	2.881	1.5	3.051	1.5	2.598	1.5	2.133	15.3	2.491	15.4	2.115	15.5
Aviation gasoline	W	W	W	W	W	W	2.762	0.3	3.099	0.5	2.841	0.4
Kerosene-type jet fuel	2.162	31.0	2.349	32.1	1.831	30.4	2.101	38.1	2.296	37.9	1.795	38.5
Propane (consumer grade)	0.873	3.8	0.988	4.2	1.011	4.4	0.825	35.6	0.948	28.5	0.997	36.7
Kerosene	W	W	W	W	W	W	2.206	1.4	2.437	1.0	1.961	1.3
No. 1 distillate	2.719	0.1	2.850	0.1	2.466	0.1	2.449	2.7	2.665	1.2	2.284	2.3
No. 2 distillate	2.284	13.3	2.501	13.4	2.048	12.9	2.128	167.0	2.373	170.9	1.926	164.2
No. 2 fuel oil	2.431	0.2	2.696	0.1	2.134	0.2	2.096	12.9	2.281	9.7	1.781	10.7
No. 2 diesel fuel	2.283	13.2	2.500	13.3	2.047	12.7	2.130	154.1	2.379	161.2	1.936	153.5
Ultra low sulfur	2.281	12.8	2.502	13.1	2.050	12.5	2.131	152.9	2.380	159.5	1.941	148.9
Low sulfur	W	W	W	W	W	W	W	W	W	W	W	W
High sulfur	W	W	W	W	W	W	W	W	W	W	W	W
No. 4 fuel[a]	-	-	-	-	-	-	W	W	W	W	W	W
Residential fuel oil	1.827	3.4	1.875	3.8	1.413	4.3	1.560	6.7	1.700	7.3	1.279	7.2
Sulfur content not > 1%	W	W	W	W	W	W	1.360	0.2	1.620	0.2	1.302	0.6
Sulfur content > 1%	1.731	W	1.816	W	1.384	W	1.566	6.5	1.703	7.0	1.277	6.6

NA = Not available.

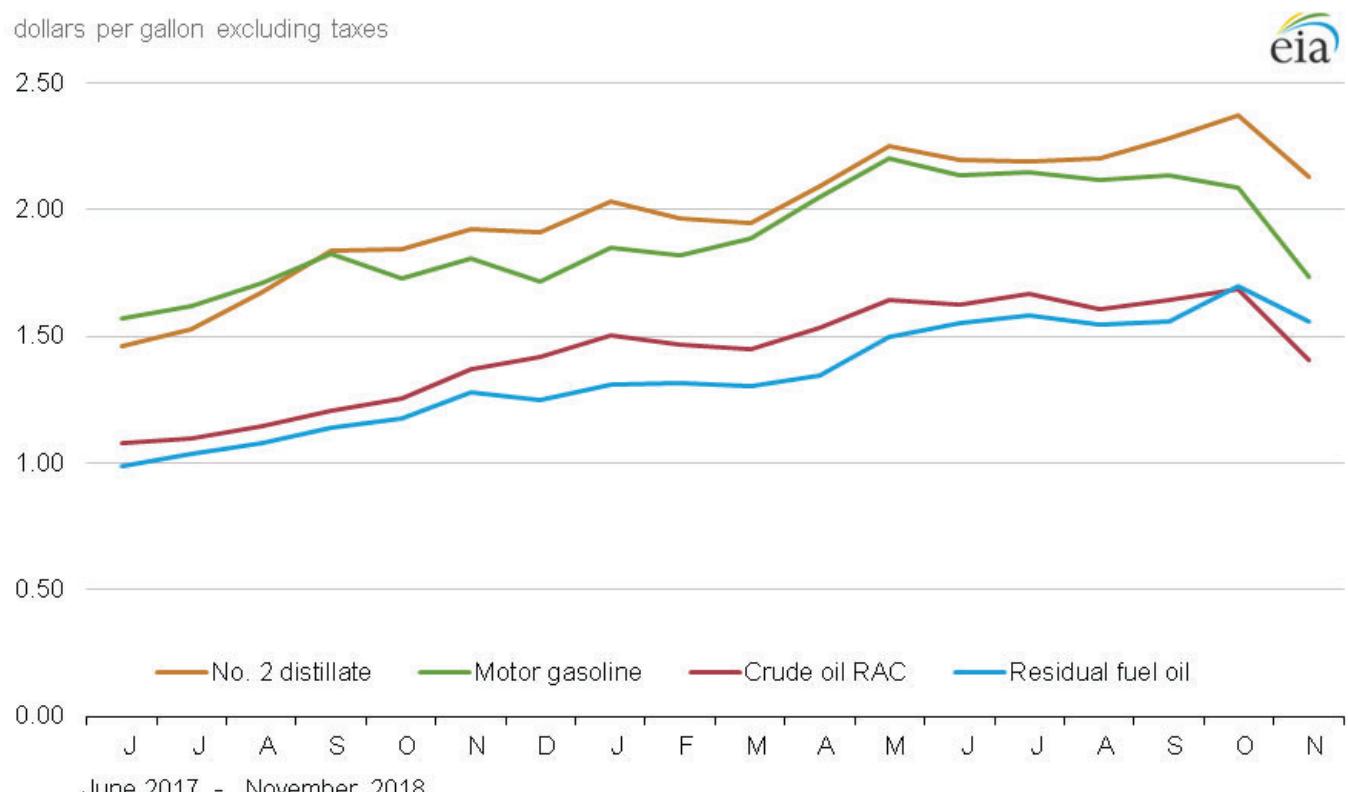
- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Total volumes may not equal the sum of the components due to rounding.

Source: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure HL1. Crude oil and petroleum product wholesale prices

Sources: U.S. Energy Information Administration, Crude oil refiner acquisition cost: Form EIA-14, "Refiners' Monthly Cost Report"; petroleum product prices: Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Note: RAC stands for refiner acquisition cost.

Summary Statistics

Table 1. Crude oil prices

dollars per barrel

Year month	Domestic first purchase prices	Average F.O.B.[a] cost of crude oil imports[b]	Average landed cost of crude oil imports[b]	Refiner acquisition cost of crude oil		
				Domestic	Imported	Composite
1997 average	17.23	16.94	18.11	19.61	18.53	19.04
1998 average	10.87	10.76	11.84	13.18	12.04	12.52
1999 average	15.56	16.47	17.23	17.90	17.26	17.51
2000 average	26.72	26.27	27.53	29.11	27.70	28.26
2001 average	21.84	20.46	21.82	24.33	22.00	22.95
2002 average	22.51	22.63	23.91	24.65	23.71	24.10
2003 average	27.56	25.86	27.69	29.82	27.71	28.53
2004 average	36.77	33.75	36.07	38.97	35.90	36.98
2005 average	50.28	47.60	49.29	52.94	48.86	50.24
2006 average	59.69	57.03	59.11	62.62	59.02	60.24
2007 average	66.52	66.36	67.97	69.65	67.04	67.94
2008 average	94.04	90.32	93.33	98.47	92.77	94.74
2009 average	56.35	57.78	60.23	59.49	59.17	59.29
2010 average	74.71	74.19	76.50	78.01	75.86	76.69
2011 average	95.73	101.66	102.92	100.71	102.63	101.87
2012 average	94.52	99.78	101.00	100.72	101.09	100.93
2013 average	95.99	96.56	96.99	102.91	98.11	100.49
2014 average	87.39	85.65	88.16	94.05	89.56	92.02
2015 average	44.39	41.91	45.38	49.94	46.38	48.39
2016 average	38.29	36.37	38.56	42.41	38.75	40.66
2017						
January	48.19	44.62	47.05	51.81	48.12	49.99
February	49.41	45.91	48.08	53.15	49.38	51.24
March	46.39	44.09	46.26	50.60	46.53	48.65
April	47.23	43.60	46.00	51.34	47.47	49.47
May	45.19	43.92	46.15	49.58	47.21	48.47
June	42.17	41.34	43.85	46.26	44.03	45.25
July	43.42	42.09	44.82	47.59	44.76	46.27
August	44.96	44.18	46.93	48.76	47.62	48.22
September	47.17	46.50	49.80	51.07	50.46	50.78
October	49.12	47.22	51.11	53.71	51.40	52.67
November	55.19	52.11	56.10	58.92	56.30	57.75
December	56.98	53.68	56.96	61.10	57.44	59.53
2017 average	48.05	45.58	48.50	52.05	49.12	50.68
2018						
January	62.25	55.73	58.19	66.08	59.39	63.13
February	61.20	53.42	56.73	64.68	57.94	61.71
March	60.68	53.35	56.32	64.03	56.75	60.80
April	63.50	58.53	60.61	67.14	61.25	64.42
May	66.16	62.95	65.15	71.31	66.08	69.00
June	62.80	63.09	65.48	69.55	66.85	68.31
July	67.00	62.35	65.43	73.31	66.77	70.28
August	62.64	61.35	64.11	69.45	65.48	67.68
September	63.55	R61.56	R63.69	71.04	66.42	69.15
October	R65.18	R59.08	R61.84	73.08	67.74	70.97
November[c]	55.65	44.97	47.29	R62.47	R54.39	R59.01
December	NA	NA	NA	E53.85	E53.66	E53.76

NA = Not available.

E = Estimated data.

R = Revised data.

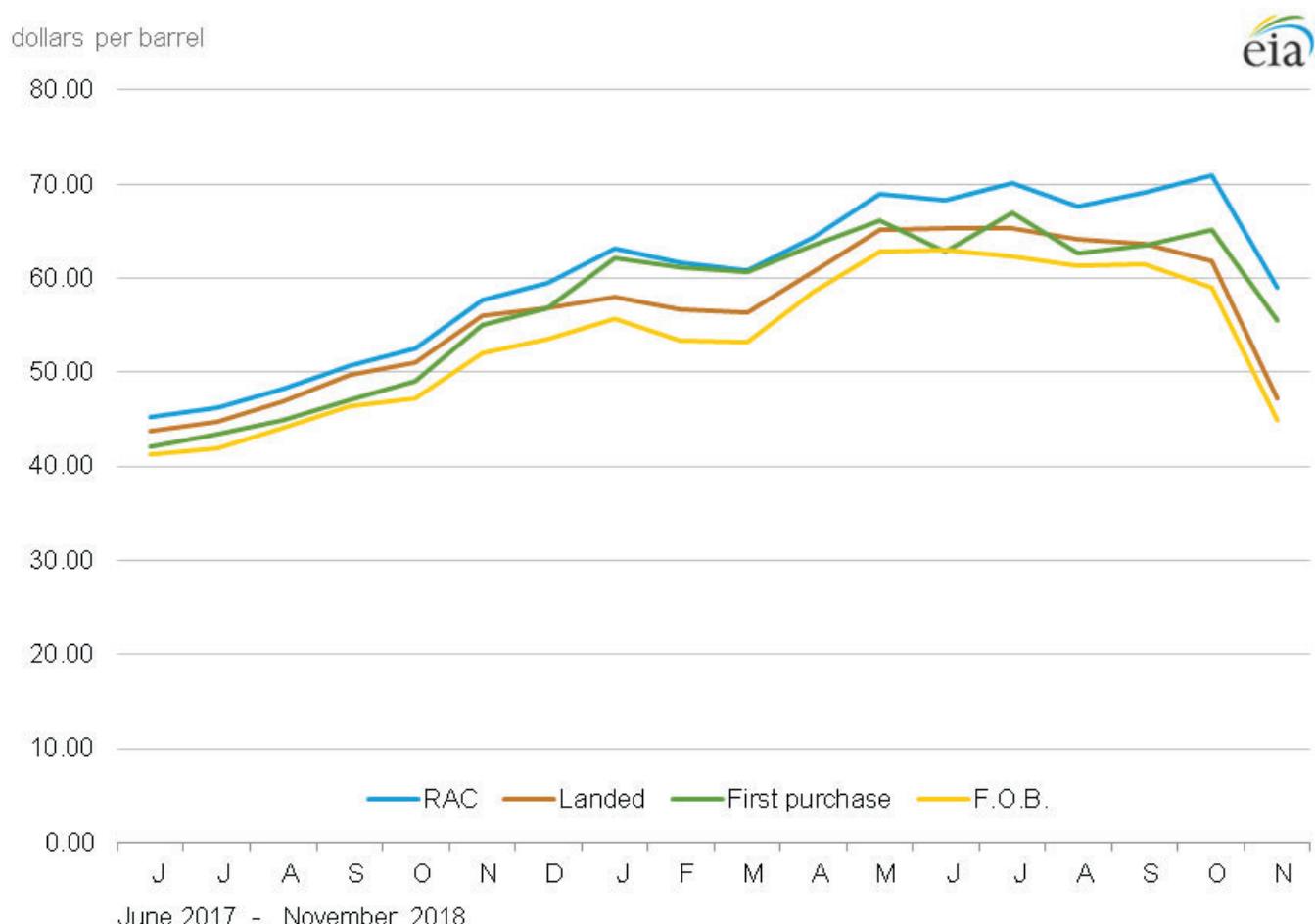
[a] Free on Board. See Glossary.

[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

[c] Data are initial estimates calculated using regression models based on past and present values, spot prices and other internally computed data. For an explanation of estimation methodology, see the Preface.

Notes: In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values for Domestic First Purchase Price and Refiner Acquisition Cost for the current 2 months, and for Average F.O.B. and Average Landed Costs, for the current 3 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: Domestic first purchase prices -- See "Source" from Table 18. Crude oil imports costs -- See "Sources" from Table 21. Refiner acquisition costs -- U.S. Energy Information Administration, Form EIA-14, "Refiners' Monthly Cost Report."

Figure 1. Crude oil prices

Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."
Note: RAC stands for refiner acquisition cost.

Table 1A. Refiner acquisition cost of crude oil by PAD Districts
dollars per barrel

Year month	U.S.			PAD District 1			PAD District 2		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	38.97	35.90	36.98	40.75	38.29	38.34	40.80	35.63	38.38
2005	52.94	48.86	50.24	56.89	53.29	53.35	54.57	46.11	50.75
2006	62.62	59.02	60.24	66.92	63.53	63.60	63.66	55.19	59.70
2007	69.65	67.04	67.94	70.62	72.48	72.44	71.10	62.17	66.90
2008	98.47	92.77	94.74	100.30	96.90	96.97	100.98	88.45	94.93
2009	59.49	59.17	59.29	59.64	61.68	61.63	60.00	57.00	58.64
2010	78.01	75.86	76.69	75.90	80.03	79.91	78.85	72.24	75.92
2011	100.71	102.63	101.87	98.88	111.53	111.01	96.81	89.15	93.18
2012	100.72	101.09	100.93	104.45	112.27	111.50	95.04	83.90	89.44
2013	102.91	98.11	100.49	106.98	106.74	106.80	100.63	85.43	93.26
2014	94.05	89.56	92.02	96.95	96.51	96.70	93.08	81.66	87.51
2015	49.94	46.38	48.39	52.60	50.40	51.37	49.33	42.70	46.13
2016	42.41	38.75	40.66	44.58	42.54	43.00	43.76	36.19	39.95
2017									
January	51.81	48.12	49.99	55.35	52.87	53.34	52.83	44.53	48.26
February	53.15	49.38	51.24	55.90	52.80	53.29	53.56	46.04	49.59
March	50.60	46.53	48.65	55.85	51.98	52.62	50.84	42.91	46.64
April	51.34	47.47	49.47	54.99	51.26	51.64	51.93	44.10	48.06
May	49.58	47.21	48.47	54.64	50.66	51.17	49.72	44.65	47.27
June	46.26	44.03	45.25	52.47	47.87	48.38	46.39	41.59	44.14
July	47.59	44.76	46.27	54.32	48.41	48.92	47.81	42.13	44.99
August	48.76	47.62	48.22	56.03	50.70	51.02	49.34	44.57	46.95
September	51.07	50.46	50.78	56.14	54.06	54.24	51.08	45.39	48.22
October	53.71	51.40	52.67	58.25	55.31	55.55	53.16	45.71	49.59
November	58.92	56.30	57.75	62.13	60.85	61.00	58.26	50.75	54.69
December	61.10	57.44	59.53	64.57	63.94	64.04	59.64	50.87	55.54
2017	52.05	49.12	50.68	56.98	53.46	53.87	52.03	45.21	48.63
2018									
January	66.08	59.39	63.13	66.24	65.97	66.01	65.21	51.67	58.61
February	64.68	57.94	61.71	66.09	64.96	65.16	63.69	48.42	56.43
March	64.03	56.75	60.80	66.71	65.31	65.63	64.24	47.18	56.31
April	67.14	61.25	64.42	69.95	70.27	70.21	67.21	51.04	59.15
May	71.31	66.08	69.00	71.37	72.17	72.00	70.94	58.27	64.69
June	69.55	66.85	68.31	71.35	72.91	72.62	68.42	59.35	64.14
July	73.31	66.77	70.28	72.72	71.71	71.90	73.40	62.05	67.65
August	69.45	65.48	67.68	72.07	72.03	72.04	69.20	58.09	64.13
September	71.04	66.42	69.15	73.74	75.40	74.83	70.14	54.36	63.22
October	73.08	67.74	70.97	75.33	75.36	75.35	71.74	52.76	63.58
November	R62.47	R54.39	R59.01	69.43	69.13	69.18	57.02	38.26	47.16

See footnotes at end of table.

Table 1A. Refiner acquisition cost of crude oil by PAD Districts (cont.)

dollars per barrel

Year month	PAD District 3			PAD District 4			PAD District 5		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	39.28	34.79	35.87	39.98	35.93	37.81	36.81	38.20	37.30
2005	53.17	47.77	48.99	53.50	48.54	50.89	50.61	50.77	50.67
2006	63.17	58.34	59.54	60.80	56.17	58.45	60.90	61.44	61.15
2007	70.58	66.34	67.48	65.79	60.81	63.43	67.47	69.42	68.34
2008	100.39	91.86	94.11	91.49	88.56	90.12	94.53	96.30	95.35
2009	60.61	59.21	59.64	56.30	56.53	56.39	57.79	60.07	58.78
2010	78.73	75.67	76.65	73.56	70.77	72.37	76.56	78.23	77.34
2011	103.24	104.78	104.24	89.34	84.87	87.61	103.83	105.68	104.73
2012	104.32	105.18	104.83	86.83	80.80	84.63	103.03	106.43	104.69
2013	104.64	101.42	103.02	88.96	80.75	85.21	103.82	105.12	104.40
2014	94.67	90.84	93.06	84.63	78.73	81.93	94.45	96.13	95.22
2015	50.16	46.49	48.75	44.77	39.73	42.28	50.30	50.91	50.59
2016	41.97	38.22	40.42	41.48	34.49	38.11	42.10	42.21	42.16
2017									
January	51.15	48.10	49.85	50.68	41.66	46.38	52.87	52.35	52.61
February	52.72	49.73	51.37	52.61	42.82	47.68	53.93	52.71	53.31
March	50.32	46.58	48.77	49.06	40.36	44.87	51.24	50.43	50.83
April	50.98	47.37	49.51	49.19	40.95	45.53	52.31	50.78	51.48
May	49.39	46.88	48.41	48.03	42.03	45.68	50.25	49.78	49.98
June	46.02	43.62	45.11	44.97	40.31	43.17	46.91	46.53	46.72
July	47.24	43.93	45.96	46.30	42.36	44.55	48.78	48.53	48.64
August	48.11	47.46	47.87	48.76	42.63	46.02	50.27	50.44	50.37
September	50.53	51.49	50.87	50.47	43.58	47.34	53.23	53.92	53.62
October	53.35	52.03	52.87	51.66	44.11	48.56	56.57	56.09	56.32
November	58.69	56.47	57.89	56.98	49.24	53.78	61.56	61.45	61.50
December	61.28	58.19	60.23	57.78	48.21	53.79	63.05	62.02	62.54
2017	51.74	49.12	50.73	50.43	43.05	47.19	53.44	52.77	53.08
2018									
January	66.00	61.15	64.23	63.61	47.53	56.04	68.59	66.23	67.50
February	64.83	60.66	63.32	60.99	43.15	53.36	66.70	64.23	65.47
March	63.43	58.65	61.64	61.80	42.31	53.23	66.74	64.27	65.38
April	66.59	63.43	65.39	64.52	45.53	56.14	69.83	67.99	68.89
May	70.66	67.10	69.43	68.34	54.97	63.22	75.58	73.75	74.62
June	69.28	67.69	68.68	65.51	56.58	61.50	74.53	73.54	73.96
July	73.40	67.85	71.29	68.56	57.79	63.67	74.24	70.45	72.15
August	68.89	65.76	67.77	66.53	56.09	61.96	73.81	72.11	72.81
September	70.38	69.92	70.22	69.11	47.78	59.76	75.91	74.03	74.93
October	72.86	72.38	72.72	67.91	52.13	59.81	77.82	76.72	77.24
November	63.26	60.90	62.54	52.37	34.08	42.36	69.68	66.88	68.31

R = Revised data.

Notes: - U.S. is defined as the 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. Values reflect the PAD District in which the crude oil is intended to be refined. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-14, "Refiners' Monthly Cost Report," January 2004 to present."

Table 2. U.S. refiner prices of petroleum products to end users
dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate			Residual fuel oil
							No. 2 diesel fuel	No. 2 fuel oil	Average	
1994	0.738	0.957	0.534	0.530	0.660	0.640	0.554	0.572	0.556	0.501
1995	0.765	1.005	0.540	0.492	0.589	0.620	0.560	0.562	0.560	0.505
1996	0.847	1.116	0.651	0.605	0.740	0.726	0.681	0.673	0.680	0.603
1997	0.839	1.128	0.613	0.552	0.745	0.689	0.642	0.636	0.642	0.565
1998	0.673	0.975	0.452	0.405	0.501	0.551	0.494	0.482	0.492	0.428
1999	0.781	1.059	0.543	0.458	0.605	0.621	0.584	0.558	0.580	0.474
2000	1.106	1.306	0.899	0.603	1.123	0.988	0.935	0.927	0.934	0.769
2001	1.032	1.323	0.775	0.506	1.045	0.902	0.842	0.829	0.840	0.679
2002	0.947	1.288	0.721	0.419	0.990	0.828	0.762	0.737	0.759	0.567
2003	1.156	1.493	0.872	0.577	1.224	1.017	0.944	0.933	0.942	0.856
2004	1.435	1.819	1.207	0.839	1.160	1.262	1.243	1.173	1.235	1.017
2005	1.829	2.231	1.735	1.089	1.957	1.832	1.786	1.705	1.777	W
2006	2.128	2.682	1.998	1.358	2.244	2.137	2.096	1.982	2.091	W
2007	2.345	2.849	2.165	1.489	2.263	2.286	2.267	2.241	2.266	W
2008	2.775	3.273	3.052	1.892	3.283	2.983	3.150	2.986	3.143	W
2009	1.888	2.442	1.704	1.220	2.675	2.141	1.834	1.962	1.840	W
2010	2.301	3.028	2.201	1.481	3.063	2.705	2.314	2.462	2.318	W
2011	3.050	3.803	3.054	1.709	3.616	3.467	3.117	3.193	3.119	W
2012	3.154	3.971	3.104	1.139	3.843	3.580	3.202	3.358	3.206	W
2013	3.049	3.932	2.979	1.028	3.842	3.483	3.122	3.335	3.126	W
2014	2.855	3.986	2.772	1.097	W	3.117	2.923	3.329	2.924	W
2015	2.003	W	1.629	0.481	W	1.822	1.819	2.016	1.821	W
2016										
January	1.505	W	1.038	0.377	W	NA	1.198	1.450	1.201	W
February	1.332	W	1.032	0.409	W	NA	1.185	1.407	1.187	-
March	1.552	W	1.133	0.481	W	1.610	1.317	1.555	1.318	-
April	1.725	W	1.187	0.472	W	1.706	1.386	1.631	1.388	W
May	1.869	W	1.342	0.533	W	W	1.555	1.733	1.555	-
June	1.961	W	1.464	0.514	W	2.041	1.661	1.861	1.662	W
July	1.804	W	1.393	0.491	W	1.911	1.577	1.814	1.578	W
August	1.754	W	1.330	0.460	W	1.890	1.577	NA	1.578	W
September	1.788	W	1.394	0.507	W	1.977	1.601	1.805	1.602	W
October	1.819	W	1.506	0.599	W	2.048	1.706	1.941	1.708	W
November	1.759	W	1.426	0.557	W	2.050	1.599	1.787	1.601	-
December	1.849	W	1.539	0.666	W	NA	1.718	1.997	1.721	-
2016	1.730	W	1.319	0.498	W	1.702	1.511	1.716	1.512	W
2017										
January	1.900	W	1.584	0.774	W	2.138	1.747	NA	1.750	W
February	1.862	W	1.615	0.814	W	2.190	1.755	2.033	1.757	W
March	1.904	W	1.554	0.657	W	2.142	1.699	1.909	1.701	W
April	1.997	W	1.595	0.652	W	W	1.747	2.081	1.748	W
May	1.963	W	1.492	0.650	2.637	W	1.693	NA	1.694	W
June	1.906	W	1.434	0.611	2.600	2.018	1.618	1.739	1.618	W
July	1.871	W	1.478	0.667	2.621	W	1.665	1.728	1.665	-
August	1.952	W	1.613	0.768	2.579	W	1.792	1.904	1.793	W
September	2.154	W	1.795	0.895	2.703	2.382	1.959	2.044	1.959	W
October	2.042	W	1.743	0.972	W	2.452	1.982	2.048	1.983	-
November	2.122	W	1.831	1.011	W	2.466	2.047	2.134	2.048	-
December	2.034	W	1.869	1.028	W	2.423	2.037	2.263	2.039	-
2017	1.976	W	1.629	0.772	W	2.230	1.811	2.010	1.813	W
2018										
January	2.108	W	2.012	0.971	W	2.506	2.144	2.206	2.145	-
February	2.127	W	1.970	0.948	W	2.510	2.107	2.365	2.110	-
March	2.160	W	1.924	0.842	W	2.566	2.076	2.484	2.078	-
April	2.315	W	2.080	0.839	W	W	2.201	2.486	2.202	-
May	2.494	W	2.221	0.916	3.219	W	2.368	2.478	2.368	-
June	2.469	W	2.196	0.883	3.292	W	2.340	2.413	2.341	-
July	2.442	W	2.176	0.956	W	W	2.316	2.436	2.316	-
August	2.421	W	2.183	0.989	3.272	W	2.327	2.499	2.327	-
September	2.428	W	2.257	1.062	3.189	W	2.388	2.612	2.388	-
October	2.441	W	2.349	0.988	W	2.850	R2.500	R2.696	R2.501	-
November	2.205	W	2.162	0.873	W	2.719	2.283	2.431	2.284	-

NA = Not available.

- = No data reported.

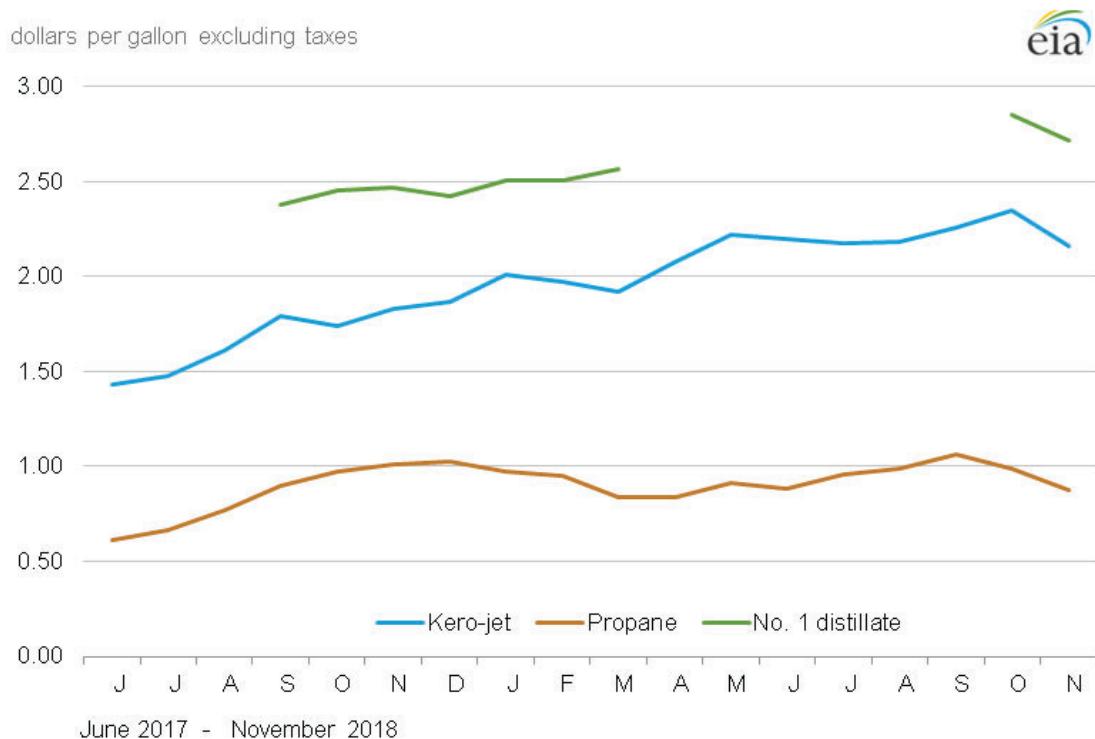
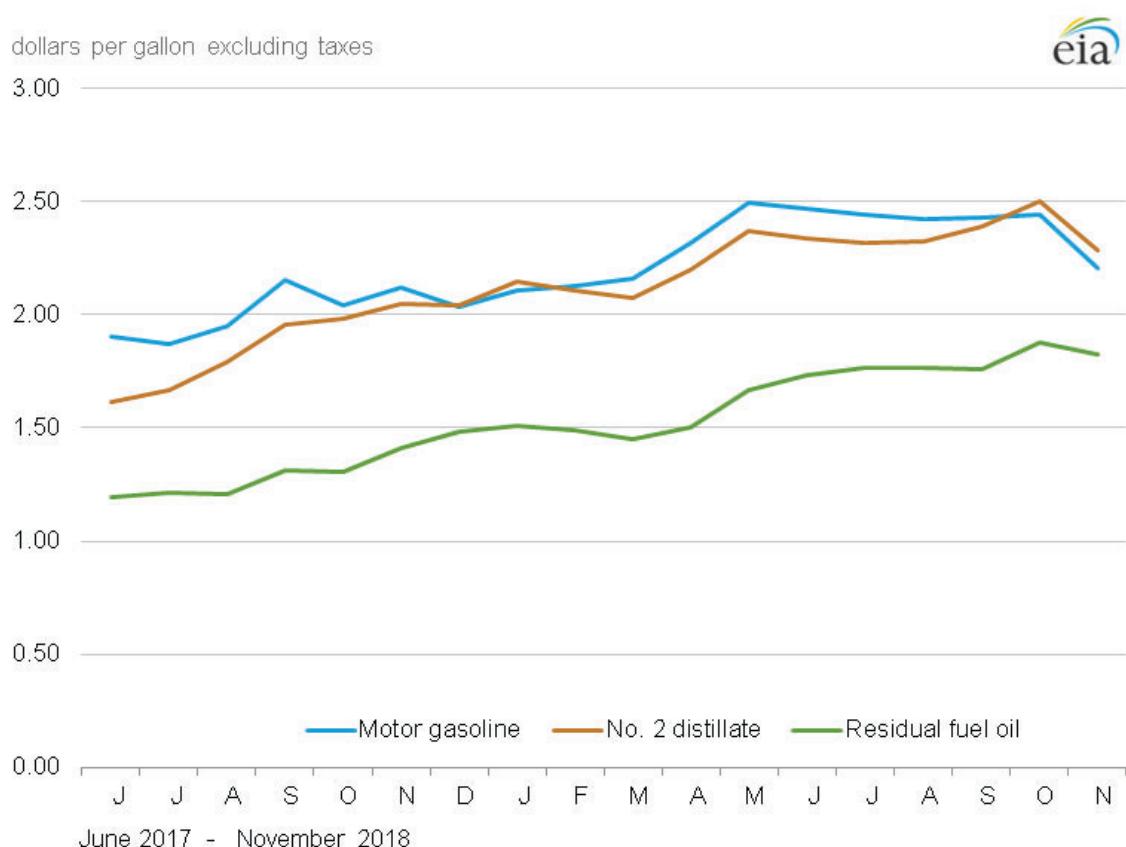
W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 2. U.S. Refiner retail petroleum product prices

Sources: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Sales Report."

Table 3. U.S. refiner volumes of petroleum products to end users
million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate			Residual fuel oil
							No. 2 diesel fuel	No. 2 fuel oil	Average	
1994	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8
1995	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5
1996	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4
1997	61.1	0.2	49.7	3.2	0.3	0.4	22.0	3.0	25.0	0.3
1998	63.3	0.2	48.9	3.1	0.4	0.4	21.1	3.2	24.3	0.3
1999	62.0	0.1	47.0	3.6	0.2	0.3	21.1	3.0	24.1	0.3
2000	60.9	0.2	49.3	2.9	0.2	0.3	22.6	2.8	25.4	0.3
2001	62.0	0.1	49.7	3.6	0.2	0.3	22.9	3.0	26.0	0.4
2002	63.6	0.1	49.1	2.6	0.1	0.3	19.6	3.0	22.6	0.4
2003	63.8	0.1	44.0	2.5	0.1	0.3	16.7	2.7	19.5	0.3
2004	58.4	0.1	46.4	2.7	0.5	0.2	16.9	2.4	19.3	0.3
2005	59.0	0.1	45.2	3.2	0.1	0.3	17.0	2.1	19.1	W
2006	60.0	0.1	42.1	2.7	0.1	0.2	24.2	1.2	25.4	W
2007	57.7	0.1	40.1	3.3	0.1	0.2	23.6	0.8	24.3	W
2008	55.1	0.1	39.9	2.7	NA	0.1	19.9	0.9	20.8	W
2009	49.8	0.2	38.0	3.7	NA	0.1	16.9	0.9	17.8	W
2010	44.7	0.1	34.8	3.9	0.0	0.1	15.3	0.4	15.8	W
2011	39.0	0.1	33.3	4.5	0.0	0.1	13.4	0.4	13.8	W
2012	29.7	0.1	32.5	5.6	0.0	0.1	12.2	0.3	12.5	W
2013	24.7	0.0	31.4	5.3	0.0	0.1	11.5	0.2	11.7	W
2014	21.6	0.0	31.3	4.9	W	0.1	11.9	0.1	11.9	W
2015	25.5	W	33.4	5.6	W	0.1	12.6	0.1	12.7	W
2016										
January	24.4	W	31.0	8.6	W	NA	12.1	0.1	12.2	W
February	25.2	W	28.5	7.4	W	NA	12.6	0.1	12.8	-
March	25.2	W	30.8	6.1	W	0.1	12.2	0.1	12.3	-
April	25.9	W	30.6	5.8	W	0.1	12.1	0.1	12.1	W
May	26.0	W	30.9	5.5	W	W	12.5	0.1	12.5	-
June	26.7	W	32.7	6.0	W	0.0	12.5	0.1	12.6	W
July	26.3	W	32.1	4.2	W	0.0	12.6	0.0	12.6	W
August	26.5	W	32.7	6.9	W	0.0	13.6	0.1	13.7	W
September	26.4	W	32.2	6.3	W	0.0	13.2	0.1	13.3	W
October	25.9	W	30.2	5.0	W	0.1	13.1	0.1	13.2	W
November	24.6	W	31.6	5.3	W	0.1	13.2	0.2	13.3	-
December	24.1	W	31.3	6.4	W	NA	11.9	0.1	12.0	-
2016							12.6	0.1	12.7	W
2017										
January	22.9	W	28.7	5.7	W	0.1	12.2	NA	12.4	W
February	23.8	W	30.6	6.4	W	0.1	12.0	0.1	12.1	W
March	24.5	W	33.1	5.1	W	0.1	12.8	0.1	12.9	W
April	24.3	W	30.9	5.8	W	W	12.0	0.1	12.0	W
May	24.9	W	31.6	6.7	0.0	W	12.4	NA	12.5	W
June	25.7	W	33.2	5.0	0.0	0.0	12.3	0.0	12.3	W
July	24.8	W	32.7	5.0	0.0	W	12.0	0.1	12.1	-
August	25.2	W	32.1	5.8	0.0	W	12.7	0.1	12.8	W
September	24.6	W	30.4	4.9	0.0	0.1	12.4	0.1	12.4	W
October	24.9	W	29.5	3.9	W	0.1	12.3	0.1	12.4	-
November	24.3	W	30.4	4.4	W	0.1	12.7	0.2	12.9	-
December	24.1	W	28.8	3.1	W	0.1	11.4	0.1	11.5	-
2018										
January	22.5	W	29.1	3.5	W	0.1	11.7	0.3	12.0	-
February	23.4	W	27.8	3.2	W	0.1	11.8	0.1	12.0	-
March	24.1	W	31.7	3.4	W	0.1	12.7	0.1	12.8	-
April	23.8	W	29.9	4.3	W	W	13.0	0.0	13.0	-
May	24.3	W	32.0	3.0	0.0	W	12.2	0.1	12.3	-
June	25.1	W	31.3	3.3	0.0	W	11.5	0.1	11.6	-
July	24.6	W	33.2	3.1	W	W	12.4	0.1	12.4	-
August	25.4	W	33.3	4.4	0.0	W	13.4	0.0	13.4	-
September	24.4	W	32.2	3.7	0.0	W	13.3	0.0	13.3	-
October	24.7	W	32.1	4.2	W	0.1	R13.3	0.1	R13.4	-
November	24.6	W	31.0	3.8	W	0.1	13.2	0.2	13.3	-

NA = Not available.

- = No data reported.

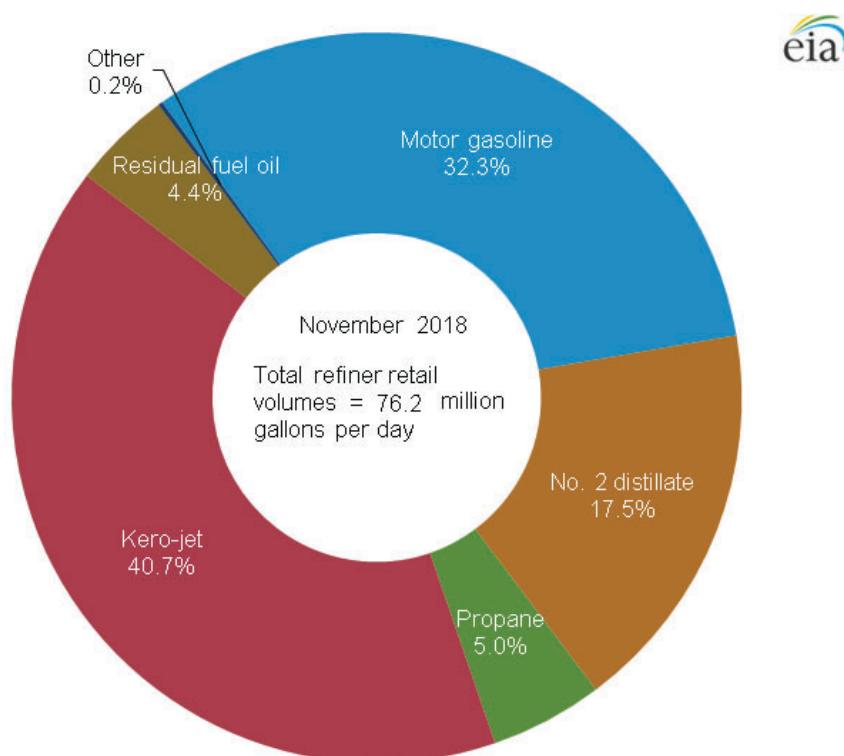
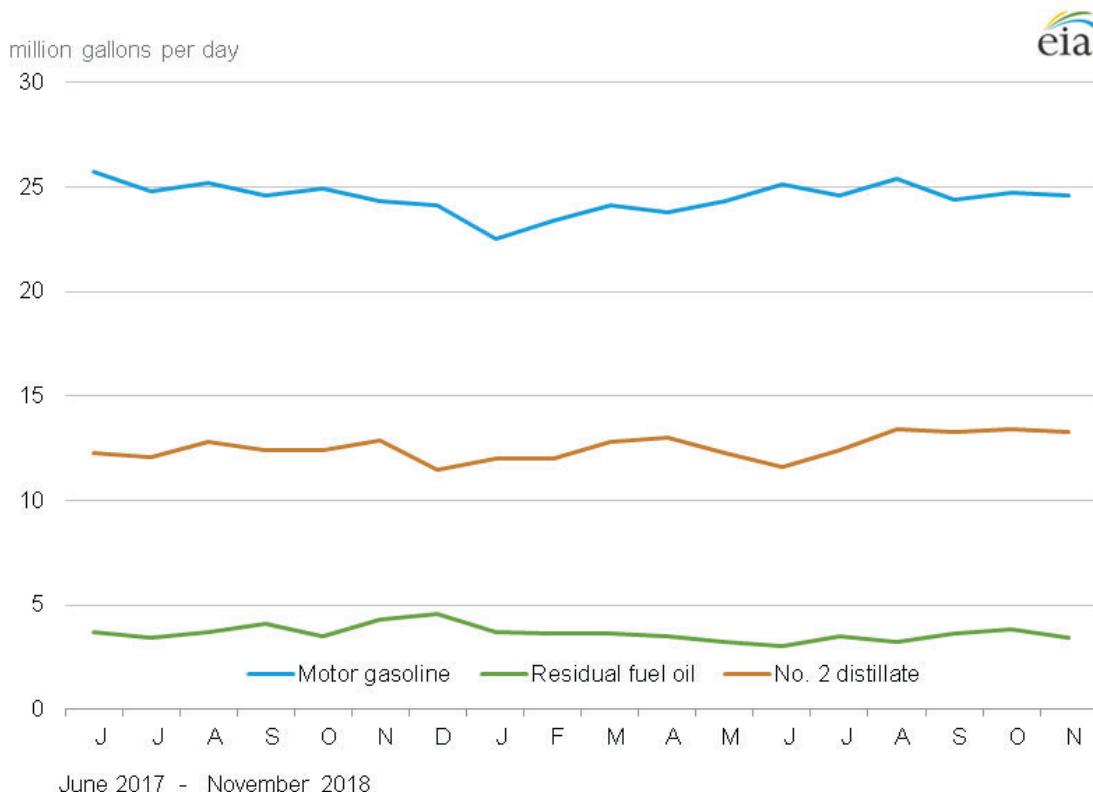
W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 3. U.S. Refiner retail petroleum product volumes

Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 4. U.S. refiner prices of petroleum products for resale
dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate				Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	
1994	0.599	0.933	0.534	0.324	0.618	0.615	0.529	0.506	0.522	0.462
1995	0.626	0.975	0.539	0.344	0.580	0.625	0.538	0.511	0.530	0.463
1996	0.713	1.055	0.646	0.461	0.714	0.751	0.659	0.639	0.653	0.603
1997	0.70	1.065	0.613	0.416	0.653	0.723	0.606	0.590	0.602	0.551
1998	0.526	0.912	0.450	0.288	0.465	0.513	0.444	0.422	0.439	0.383
1999	0.645	1.007	0.533	0.342	0.550	0.634	0.546	0.493	0.536	0.430
2000	0.963	1.330	0.880	0.595	0.969	1.019	0.898	0.886	0.896	0.778
2001	0.886	1.256	0.763	0.540	0.821	0.883	0.784	0.756	0.779	0.697
2002	0.828	1.146	0.716	0.431	0.752	0.805	0.724	0.694	0.718	0.663
2003	1.002	1.288	0.871	0.607	0.955	1.033	0.883	0.881	0.882	0.793
2004	1.288	1.627	1.208	0.751	1.271	1.289	1.187	1.125	1.178	1.033
2005	1.670	2.076	1.723	0.933	1.757	1.801	1.737	1.623	1.720	1.377
2006	1.969	2.490	1.961	1.031	2.007	2.044	2.012	1.834	1.991	1.395
2007	2.182	2.758	2.171	1.194	2.249	2.430	2.203	2.072	2.190	1.551
2008	2.586	3.342	3.020	1.437	2.851	2.712	2.994	2.745	2.970	2.157
2009	1.767	2.480	1.719	0.921	1.844	2.050	1.713	1.657	1.707	1.561
2010	2.165	2.874	2.185	1.212	2.299	2.573	2.214	2.147	2.208	W
2011	2.867	3.739	3.014	1.467	3.065	3.223	3.034	2.907	3.025	2.801
2012	2.929	3.919	3.080	1.033	3.163	3.349	3.109	3.031	3.103	W
2013	2.812	3.869	2.953	1.048	3.084	3.340	3.028	2.966	3.025	2.767
2014	2.618	3.687	2.763	1.165	2.882	3.213	2.812	2.741	2.809	2.333
2015	1.726	2.764	1.592	0.555	1.735	1.957	1.667	1.565	1.663	1.215
2016										
January	1.187	2.122	1.022	0.460	1.183	1.263	1.015	0.976	1.012	0.739
February	1.046	1.908	1.017	0.470	1.155	1.278	1.043	0.948	1.035	W
March	1.335	2.230	1.100	0.497	1.208	1.413	1.189	1.070	1.182	0.861
April	1.476	2.457	1.155	0.458	1.193	1.491	1.251	1.113	1.244	0.957
May	1.613	2.528	1.311	0.511	1.327	1.736	1.432	1.291	1.426	1.046
June	1.643	2.591	1.428	0.497	1.445	1.864	1.531	1.404	1.527	1.136
July	1.490	2.505	1.354	0.476	1.297	1.749	1.426	1.305	1.421	W
August	1.508	2.405	1.313	0.453	1.408	1.759	1.440	1.307	1.437	W
September	1.514	2.506	1.366	0.494	1.402	1.743	1.471	1.341	1.466	W
October	1.568	2.551	1.471	0.608	1.580	1.842	1.592	1.443	1.584	W
November	1.427	2.433	1.406	0.588	1.485	1.672	1.469	1.386	1.464	W
December	1.585	2.462	1.511	0.703	1.685	1.851	1.606	1.507	1.597	W
2016	1.454	2.404	1.295	0.523	1.383	1.589	1.378	1.239	1.370	0.956
2017										
January	1.627	2.614	1.561	0.788	1.761	1.964	1.636	1.560	1.629	W
February	1.625	2.592	1.592	0.792	1.657	1.882	1.641	1.553	1.634	W
March	1.634	2.618	1.520	0.671	1.580	1.854	1.581	1.495	1.575	W
April	1.723	2.724	1.545	0.641	1.572	1.953	1.627	1.499	1.620	W
May	1.668	2.620	1.459	0.631	1.481	1.920	1.552	1.447	1.548	W
June	1.574	2.552	1.378	0.585	1.360	1.823	1.465	1.375	1.461	W
July	1.621	2.608	1.436	0.634	1.468	1.869	1.533	1.392	1.529	W
August	1.711	2.710	1.587	0.742	1.630	1.997	1.681	1.522	1.675	W
September	1.826	2.893	1.771	0.864	1.809	2.207	1.847	1.668	1.841	W
October	1.730	2.716	1.704	0.942	1.805	2.206	1.852	1.695	1.846	W
November	1.806	2.841	1.795	0.997	1.961	2.284	1.936	1.781	1.926	W
December	1.720	2.691	1.846	0.991	2.034	2.256	1.918	1.841	1.911	W
2017	1.689	2.682	1.603	0.800	1.730	2.093	1.691	1.600	1.686	W
2018										
January	1.849	2.900	1.969	0.990	2.209	2.430	2.042	1.990	2.036	W
February	1.823	2.893	1.911	0.889	2.088	2.295	1.972	1.889	1.966	W
March	1.889	2.904	1.893	0.827	1.969	2.209	1.952	1.848	1.946	W
April	2.054	3.085	2.032	0.792	2.075	2.414	2.099	1.982	2.093	W
May	2.205	3.181	2.175	0.867	2.205	2.606	2.258	2.143	2.254	W
June	2.135	3.138	2.152	0.807	2.145	2.544	2.203	2.089	2.200	W
July	2.148	3.111	2.140	0.854	2.133	2.489	2.192	2.079	2.189	W
August	2.118	3.085	2.148	0.907	2.169	2.485	2.203	2.114	2.201	W
September	2.136	3.124	2.214	0.951	2.246	2.560	2.282	2.214	2.280	W
October	2.090	3.099	2.296	0.948	2.437	2.665	2.379	2.281	2.373	W
November	1.733	2.762	2.101	0.825	2.206	2.449	2.130	2.096	2.128	W

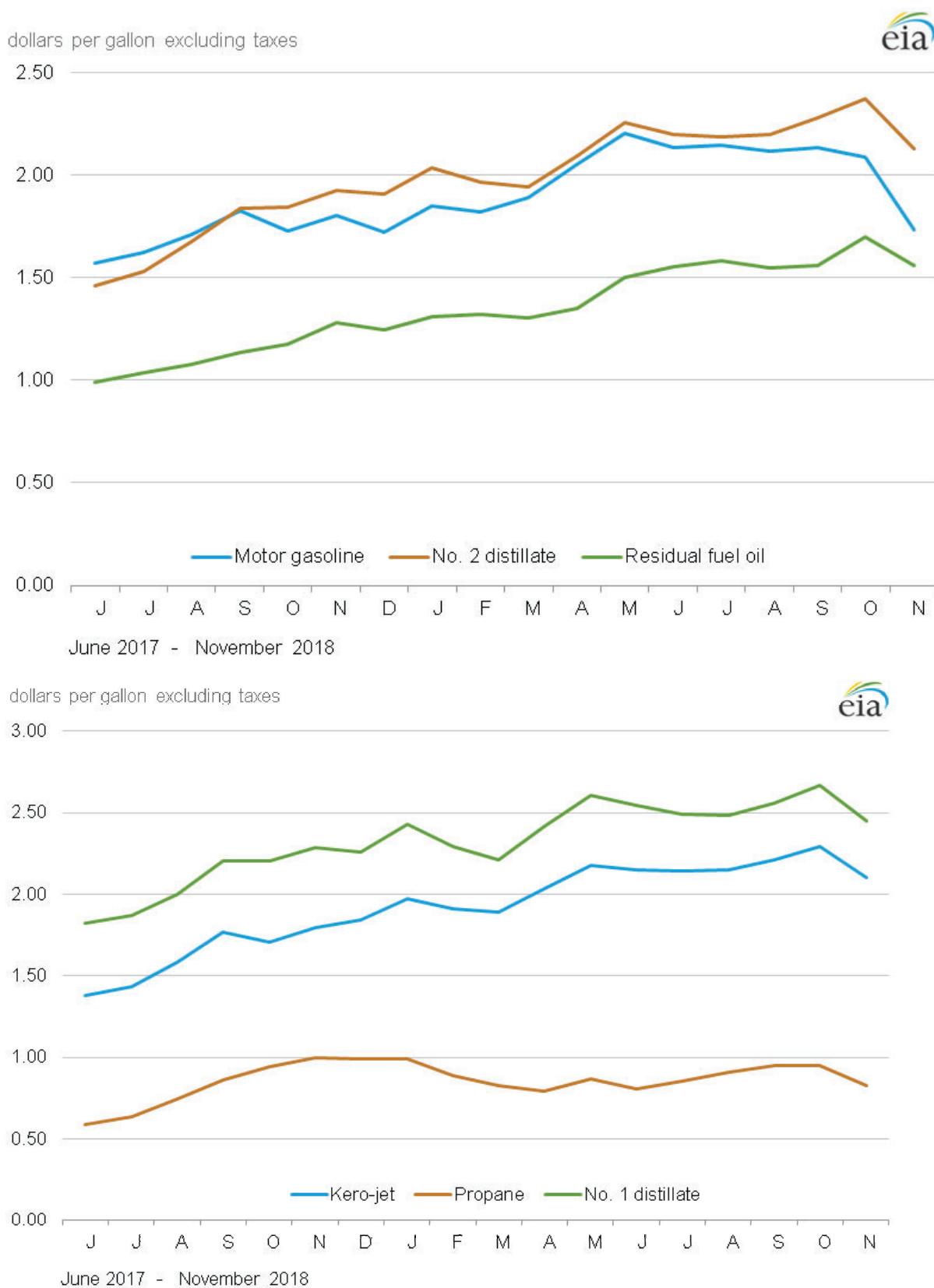
W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 4. U.S. Refiner wholesale petroleum product prices

Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 5. U.S. refiner volumes of petroleum sales for resale
million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate			Residual fuel oil
							No. 2 diesel fuel	No. 2 fuel oil	Average	
1994	276.7	0.7	9.1	28.4	2.5	1.9	72.4	32.9	105.3	0.4
1995	288.8	0.6	9.9	30.6	2.4	1.7	75.9	31.0	106.9	0.3
1996	293.6	0.6	11.5	32.9	2.7	1.8	83.7	33.1	116.8	0.3
1997	292.7	0.6	11.3	32.2	2.5	1.6	88.7	31.2	119.9	0.2
1998	300.4	0.6	12.2	32.7	2.2	1.4	91.9	27.3	119.2	0.1
1999	306.9	0.7	15.2	33.6	2.4	1.7	95.5	24.3	119.9	0.2
2000	304.4	0.6	15.7	34.8	2.3	1.5	98.8	23.3	122.1	0.2
2001	305.2	0.6	14.3	35.0	2.2	1.4	101.3	25.2	126.4	0.1
2002	311.8	0.6	12.1	32.9	2.0	1.3	100.8	23.6	124.4	0.1
2003	311.6	0.5	12.2	36.5	2.3	1.2	108.9	20.9	129.8	0.1
2004	316.4	0.6	12.7	40.3	2.1	1.3	116.5	19.6	136.1	NA
2005	321.8	0.5	15.2	35.1	2.0	1.4	118.7	20.6	139.3	NA
2006	315.6	0.5	15.2	39.4	1.4	1.3	123.2	16.7	139.9	0.3
2007	319.8	0.5	16.6	41.7	1.4	0.9	135.3	14.5	149.8	0.3
2008	306.4	0.4	16.5	34.2	1.0	1.0	138.7	14.9	153.6	0.2
2009	307.4	0.4	15.2	31.8	1.3	1.0	128.0	15.1	143.1	0.1
2010	312.0	0.4	20.3	28.3	1.4	0.9	135.5	11.5	147.0	W
2011	296.3	0.4	23.0	28.6	1.2	1.0	134.6	10.7	145.3	0.1
2012	294.7	0.4	23.5	27.6	1.2	0.8	136.9	10.7	147.6	W
2013	291.0	0.4	26.4	34.9	1.3	1.0	142.9	7.7	150.6	0.1
2014	289.2	0.4	27.5	32.9	1.4	1.4	146.3	7.0	153.3	0.1
2015	298.7	0.4	28.6	31.6	1.2	1.2	146.5	6.7	153.2	0.2
2016										
January	285.3	0.3	29.3	45.5	1.6	2.4	130.5	12.3	142.8	0.2
February	295.0	0.4	28.6	43.8	1.5	1.7	132.9	12.8	145.7	W
March	303.8	0.4	28.5	29.1	0.6	0.7	137.7	8.5	146.2	0.2
April	302.5	0.6	28.2	26.1	0.8	0.3	137.4	7.7	145.1	0.2
May	305.8	0.4	29.7	27.4	0.9	0.1	137.5	6.8	144.3	0.1
June	314.9	0.5	30.9	25.5	0.7	0.1	138.6	4.8	143.4	0.1
July	315.9	0.5	31.2	24.1	0.9	0.1	131.3	4.9	136.3	W
August	314.8	0.6	31.8	29.2	1.5	0.2	142.3	3.8	146.1	W
September	307.8	0.4	32.0	28.4	1.0	0.5	142.8	6.0	148.8	W
October	301.9	0.4	30.9	33.1	1.2	1.0	144.3	8.2	152.4	W
November	299.6	0.4	30.4	35.4	1.4	1.7	142.9	9.1	151.9	W
December	298.5	0.4	32.3	41.2	1.9	3.2	141.0	14.4	155.4	W
2016	303.8	0.4	30.3	32.4	1.2	1.0	138.3	8.2	146.5	0.1
2017										
January	277.9	0.3	30.2	38.5	1.4	2.5	129.6	13.7	143.4	W
February	289.7	0.4	32.8	37.3	1.3	1.8	134.3	11.3	145.6	W
March	297.2	0.4	31.8	28.0	0.7	0.9	138.0	9.6	147.5	W
April	302.9	0.4	40.2	23.3	0.7	0.2	139.3	8.0	147.3	W
May	306.0	0.4	40.2	20.0	0.8	0.1	152.1	5.5	157.6	W
June	309.7	0.6	40.2	21.5	0.6	0.1	156.7	6.8	163.5	W
July	304.0	0.5	39.7	20.0	0.7	0.1	146.1	4.2	150.3	W
August	314.9	0.5	40.2	24.7	0.7	0.2	151.2	5.4	156.6	W
September	302.5	0.5	39.6	27.2	0.8	0.3	150.2	5.5	155.6	W
October	305.9	0.5	39.4	30.4	1.0	1.0	159.1	6.9	166.0	W
November	304.8	0.4	38.5	36.7	1.3	2.3	153.5	10.7	164.2	W
December	302.2	0.5	43.6	39.7	1.6	2.8	147.1	14.5	161.6	W
2017	301.5	0.4	38.1	28.9	1.0	1.0	146.5	8.5	155.0	W
2018										
January	283.1	0.3	41.1	46.8	2.3	3.2	145.8	17.5	163.4	W
February	296.0	0.3	41.4	39.3	1.5	2.5	144.5	12.6	157.1	W
March	306.3	0.4	38.3	31.4	1.0	1.1	148.8	9.5	158.3	W
April	306.9	0.5	40.0	24.4	0.8	0.4	156.2	9.0	165.3	W
May	318.4	0.5	41.8	20.9	0.8	0.1	159.3	5.3	164.7	W
June	319.5	0.5	44.1	18.9	0.9	0.1	160.4	4.2	164.7	W
July	312.1	0.6	42.7	19.3	0.8	0.1	154.1	3.8	158.0	W
August	314.5	0.5	43.3	21.9	1.2	0.2	159.4	3.3	162.7	W
September	305.4	0.4	40.2	20.8	1.8	0.4	156.3	4.7	161.0	W
October	R306.2	0.5	37.9	28.5	1.0	1.2	R161.2	9.7	R170.9	W
November	301.9	0.3	38.1	35.6	1.4	2.7	154.1	12.9	167.0	W

NA = Not available.

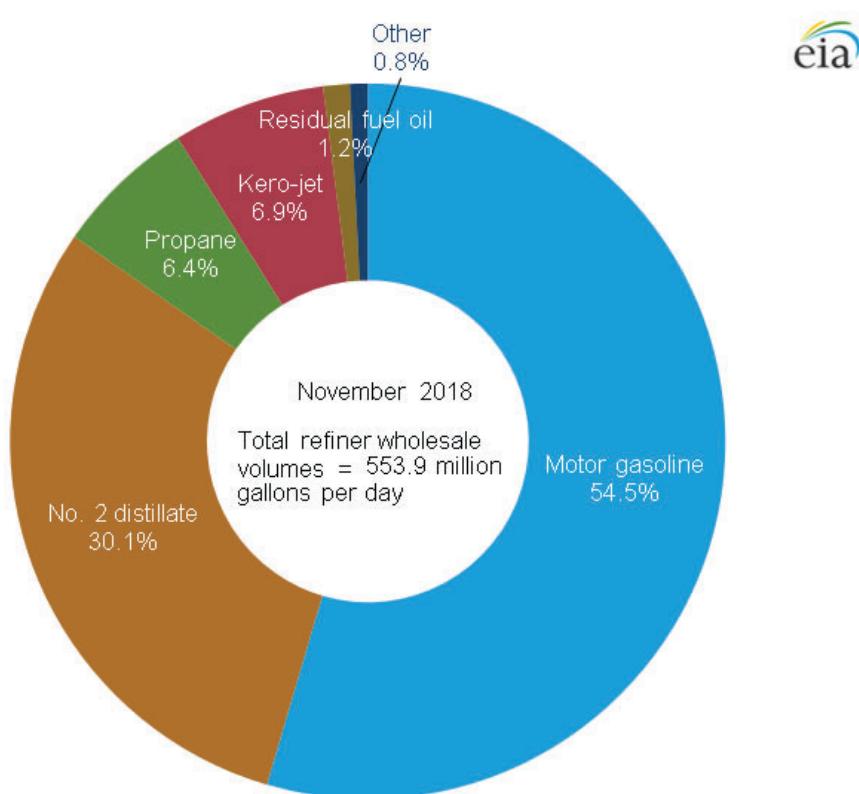
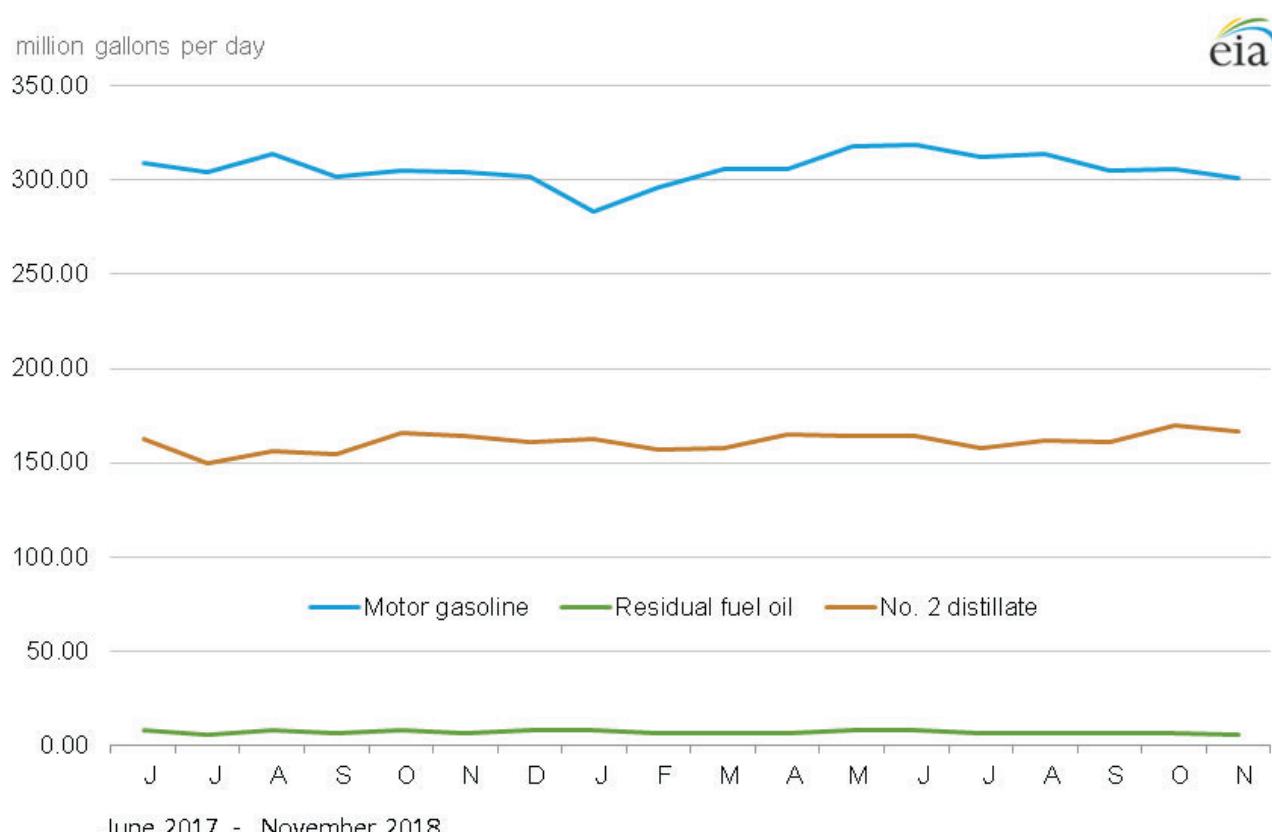
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R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 5. U.S. Refiner wholesale petroleum product volumes

Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 6. U.S. refiner motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.695	0.689	0.646	0.547	0.502	0.566	0.791	0.785	0.704	0.584	NA	0.638
1995	0.723	0.717	0.682	0.576	0.534	0.593	0.813	0.808	0.737	0.619	NA	0.670
1996	0.812	0.807	0.770	0.672	0.622	0.685	0.901	0.896	0.824	0.709	NA	0.759
1997	0.803	0.798	0.764	0.656	0.615	0.673	0.898	0.895	0.822	0.694	0.711	0.749
1998	0.634	0.630	0.596	0.481	0.449	0.499	0.731	0.728	0.655	0.521	NA	0.576
1999	0.747	0.742	0.730	0.605	0.542	0.620	0.838	0.835	0.784	0.639	NA	0.696
2000	1.077	1.073	1.042	0.927	0.873	0.942	1.171	1.168	1.099	0.960	-	1.013
2001	1	0.997	0.977	0.848	0.786	0.865	1.103	1.10	1.042	0.888	-	0.945
2002	0.915	0.912	0.886	0.801	0.735	0.806	1.013	1.010	0.968	0.839	-	0.885
2003	1.127	1.123	1.134	0.965	0.888	0.981	1.222	1.218	1.196	1.004	-	1.061
2004	1.407	1.404	1.414	1.257	1.182	1.269	1.503	1.499	1.469	1.296	-	1.340
2005	1.805	1.802	1.765	1.653	1.568	1.654	1.896	1.893	1.821	1.681	-	1.708
2006	2.102	2.099	2.082	1.944	1.866	1.950	2.216	2.213	2.157	1.987	-	2.016
2007	2.318	2.315	2.278	2.161	2.074	2.161	2.440	2.438	2.351	2.226	-	2.245
2008	2.752	2.748	2.702	2.558	2.525	2.570	2.880	2.879	2.775	2.588	-	2.610
2009	1.860	1.856	1.866	1.744	1.668	1.747	1.998	1.997	1.957	1.762	-	1.784
2010	2.275	2.270	2.261	2.144	2.073	2.146	2.416	2.416	2.357	2.168	-	2.185
2011	3.028	3.021	2.961	2.846	2.762	2.847	3.165	3.165	3.057	2.880	-	2.893
2012	3.132	3.118	3.086	2.892	2.836	2.904	3.291	3.290	3.194	2.906	-	2.925
2013	3.029	3.010	2.907	2.769	2.747	2.779	3.200	3.199	3.038	2.862	-	2.876
2014	2.832	2.811	2.767	2.574	2.520	2.584	3.031	3.030	2.903	2.716	-	2.738
2015	1.939	1.938	2.105	1.654	1.604	1.681	2.225	2.224	2.252	1.824	-	1.872
2016												
January	1.426	1.426	1.648	1.101	1.148	1.142	1.760	1.759	1.794	1.257	-	1.321
February	1.257	1.256	1.351	0.977	0.985	1.003	1.555	1.554	1.499	1.118	-	1.165
March	1.487	1.485	1.638	1.273	1.198	1.291	1.745	1.744	1.808	1.441	-	1.486
April	1.658	1.656	1.757	1.412	1.336	1.431	1.927	1.926	1.886	1.574	-	1.612
May	1.806	1.806	1.805	1.559	1.455	1.568	2.047	2.046	1.928	1.716	-	1.741
June	1.901	1.900	1.866	1.585	1.513	1.598	2.123	2.121	1.996	1.749	-	1.776
July	1.729	1.729	1.781	1.421	1.411	1.444	2.025	2.024	1.893	1.592	-	1.627
August	1.687	1.687	1.643	1.458	1.390	1.465	1.945	1.944	1.781	1.619	-	1.637
September	1.716	1.716	1.759	1.449	1.438	1.469	1.996	1.995	1.895	1.617	-	1.650
October	1.748	1.748	1.791	1.505	1.478	1.523	2.027	2.027	1.935	1.676	-	1.706
November	1.685	1.684	1.673	1.361	1.393	1.384	1.987	1.985	1.797	1.521	-	1.552
December	1.784	1.783	1.687	1.541	1.473	1.547	2.032	2.031	1.831	1.685	-	1.702
2016	1.661	1.660	1.701	1.392	1.354	1.410	1.935	1.934	1.839	1.552	-	1.586
2017												
January	1.831	1.830	1.822	1.571	1.583	1.588	2.112	2.111	1.950	1.730	-	1.757
February	1.785	1.785	1.897	1.560	1.567	1.583	2.103	2.101	2.056	1.729	-	1.769
March	1.826	1.826	1.964	1.562	1.563	1.590	2.146	2.144	2.105	1.735	-	1.780
April	1.925	1.924	2.002	1.660	1.616	1.680	2.210	2.206	2.148	1.831	-	1.868
May	1.886	1.885	2.005	1.596	1.557	1.620	2.194	2.192	2.143	1.774	-	1.815
June	1.829	1.828	1.920	1.500	1.506	1.528	2.143	2.142	2.033	1.677	-	1.715
July	1.795	1.794	1.869	1.557	1.518	1.576	2.090	2.089	2.009	1.727	-	1.757
August	1.879	1.877	1.962	1.648	1.608	1.666	2.175	2.173	2.105	1.822	-	1.852
September	2.082	2.080	2.094	1.763	1.707	1.781	2.386	2.382	2.200	1.948	-	1.977
October	1.970	1.968	1.979	1.670	1.660	1.689	2.270	2.268	2.112	1.835	-	1.868
November	2.054	2.052	2.037	1.748	1.761	1.767	2.345	2.342	2.170	1.905	-	1.935
December	1.964	1.963	1.931	1.662	1.710	1.683	2.258	2.256	2.067	1.813	-	1.844
2017	1.903	1.902	1.957	1.625	1.622	1.647	2.202	2.200	2.090	1.791	-	1.826
2018												
January	2.039	2.037	2.066	1.791	1.803	1.810	2.330	2.328	2.227	1.953	-	1.986
February	2.049	2.047	2.153	1.750	1.838	1.782	2.389	2.386	2.302	1.924	-	1.970
March	2.080	2.078	2.248	1.820	1.805	1.846	2.419	2.417	2.415	1.997	-	2.047
April	2.241	2.239	2.411	1.985	1.945	2.010	2.556	2.554	2.560	2.167	-	2.214
May	2.422	2.419	2.549	2.140	2.090	2.162	2.736	2.733	2.680	2.319	-	2.358
June	2.395	2.392	2.502	2.065	2.063	2.092	2.723	2.721	2.612	2.253	-	2.291
July	2.369	2.367	2.446	2.084	2.053	2.105	2.679	2.677	2.580	2.271	-	2.305
August	2.348	2.345	2.402	2.053	2.046	2.075	2.662	2.661	2.546	2.237	-	2.270
September	2.352	2.349	2.479	2.069	2.046	2.093	2.679	2.678	2.631	2.254	-	2.296
October	2.361	2.357	2.592	2.005	2.060	2.046	2.725	2.723	2.725	R2.202	-	R2.261
November	2.117	2.113	2.320	1.643	1.687	1.688	2.534	2.532	2.435	1.833	-	1.899

See footnotes at end of table.

Table 6. U.S. refiner motor gasoline prices by grade and sales type (cont.)

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.873	0.865	0.787	0.640	0.556	0.695	0.744	0.738	0.693	0.567	0.509	0.599
1995	0.897	0.890	0.822	0.673	0.583	0.722	0.771	0.765	0.729	0.598	0.540	0.626
1996	0.979	0.972	0.897	0.762	0.669	0.803	0.853	0.847	0.809	0.690	0.627	0.713
1997	0.979	0.973	0.895	0.749	0.658	0.792	0.844	0.839	0.803	0.674	0.620	0.70
1998	0.811	0.805	0.726	0.573	0.489	0.617	0.678	0.673	0.636	0.50	0.454	0.526
1999	0.912	0.906	0.851	0.687	0.585	0.726	0.785	0.781	0.765	0.621	0.549	0.645
2000	1.250	1.242	1.174	1.017	0.927	1.055	1.111	1.106	1.074	0.940	0.879	0.963
2001	1.181	1.175	1.112	0.936	0.830	0.980	1.035	1.032	1.009	0.862	0.791	0.886
2002	1.094	1.088	1.030	0.899	0.80	0.928	0.949	0.947	0.922	0.816	0.741	0.828
2003	1.312	1.305	1.269	1.064	0.955	1.113	1.160	1.156	1.164	0.978	0.893	1.002
2004	1.603	1.596	1.553	1.361	1.274	1.408	1.439	1.435	1.442	1.270	1.187	1.288
2005	2	1.992	1.901	1.760	1.696	1.789	1.833	1.829	1.791	1.664	1.576	1.670
2006	2.326	2.320	2.231	2.093	1.988	2.117	2.131	2.128	2.110	1.959	1.873	1.969
2007	2.558	2.552	2.460	2.339	2.209	2.357	2.349	2.345	2.311	2.180	2.080	2.182
2008	2.971	2.965	2.846	2.718	2.689	2.746	2.778	2.775	2.726	2.572	2.532	2.586
2009	2.128	2.122	2.059	1.941	1.816	1.958	1.892	1.888	1.899	1.761	1.675	1.767
2010	2.543	2.536	2.446	2.334	2.187	2.346	2.306	2.301	2.293	2.162	2.078	2.165
2011	3.291	3.283	3.139	3.047	2.873	3.049	3.058	3.050	2.990	2.864	2.769	2.867
2012	3.413	3.400	3.273	3.149	3.102	3.163	3.168	3.154	3.117	2.916	2.861	2.929
2013	3.320	3.307	3.108	3.076	3.010	3.075	3.068	3.049	2.942	2.801	2.774	2.812
2014	3.152	3.138	2.941	2.878	2.783	2.880	2.876	2.855	2.800	2.606	2.548	2.618
2015	2.392	2.386	2.312	2.035	1.845	2.061	2.006	2.003	2.148	1.696	1.627	1.726
2016												
January	1.963	1.958	1.873	1.473	1.309	1.519	1.506	1.505	1.696	1.143	1.164	1.187
February	1.760	1.757	1.578	1.322	1.140	1.346	1.333	1.332	1.402	1.016	1.005	1.046
March	1.938	1.935	1.892	1.633	1.421	1.656	1.554	1.552	1.694	1.314	1.218	1.335
April	2.121	2.119	1.999	1.779	1.526	1.788	1.727	1.725	1.809	1.454	1.366	1.476
May	2.242	2.240	2.043	1.928	1.658	1.925	1.871	1.869	1.857	1.602	1.479	1.613
June	2.319	2.316	2.109	1.956	1.753	1.962	1.962	1.961	1.919	1.628	1.540	1.643
July	2.225	2.223	2.005	1.788	1.576	1.801	1.804	1.804	1.831	1.467	1.428	1.490
August	2.143	2.141	1.878	1.813	1.575	1.810	1.755	1.754	1.696	1.501	1.404	1.508
September	2.192	2.189	1.999	1.827	1.592	1.836	1.789	1.788	1.813	1.493	1.454	1.514
October	2.237	2.234	2.036	1.884	1.669	1.892	1.819	1.819	1.846	1.548	1.501	1.568
November	2.199	2.196	1.903	1.729	1.539	1.744	1.760	1.759	1.724	1.403	1.406	1.427
December	2.242	2.240	1.937	1.871	1.615	1.861	1.850	1.849	1.743	1.578	1.492	1.585
2016	2.134	2.132	1.939	1.757	1.535	1.767	1.731	1.730	1.754	1.434	1.374	1.454
2017												
January	2.323	2.320	2.065	1.908	1.761	1.922	1.902	1.900	1.876	1.607	1.601	1.627
February	2.322	2.318	2.162	1.908	1.793	1.940	1.863	1.862	1.956	1.598	1.584	1.625
March	2.365	2.362	2.213	1.921	1.756	1.953	1.905	1.904	2.019	1.602	1.589	1.634
April	2.423	2.421	2.249	2.015	1.821	2.036	1.998	1.997	2.058	1.701	1.636	1.723
May	2.411	2.408	2.257	1.963	1.777	1.994	1.964	1.963	2.062	1.639	1.578	1.668
June	2.361	2.358	2.149	1.860	1.730	1.892	1.908	1.906	1.971	1.543	1.533	1.574
July	2.304	2.300	2.116	1.912	1.757	1.934	1.872	1.871	1.925	1.599	1.544	1.621
August	2.387	2.382	2.216	2.008	1.845	2.028	1.954	1.952	2.019	1.691	1.633	1.711
September	2.593	2.589	2.335	2.129	2.038	2.152	2.157	2.154	2.147	1.805	1.737	1.826
October	2.479	2.475	2.225	2.009	1.862	2.031	2.044	2.042	2.034	1.708	1.681	1.730
November	2.558	2.554	2.285	2.070	1.902	2.086	2.125	2.122	2.091	1.784	1.778	1.806
December	2.474	2.470	2.167	1.976	1.819	1.990	2.036	2.034	1.984	1.697	1.724	1.720
2017	2.416	2.413	2.204	1.973	1.825	1.997	1.978	1.976	2.013	1.665	1.644	1.689
2018												
January	2.552	2.547	2.328	2.115	1.992	2.136	2.111	2.108	2.125	1.827	1.824	1.849
February	2.619	2.614	2.413	2.087	1.982	2.126	2.130	2.127	2.211	1.787	1.851	1.823
March	2.649	2.644	2.523	2.166	2.013	2.206	2.162	2.160	2.307	1.859	1.821	1.889
April	2.787	2.783	2.663	2.342	2.189	2.376	2.317	2.315	2.467	2.026	1.969	2.054
May	2.952	2.945	2.789	2.492	2.315	2.521	2.498	2.494	2.602	2.181	2.108	2.205
June	2.940	2.933	2.726	2.420	2.226	2.444	2.473	2.469	2.551	2.105	2.083	2.135
July	2.897	2.891	2.687	2.434	2.255	2.455	2.445	2.442	2.499	2.125	2.076	2.148
August	2.881	2.874	2.652	2.397	2.215	2.421	2.424	2.421	2.457	2.093	2.065	2.118
September	2.897	2.891	2.740	2.410	2.263	2.446	2.431	2.428	2.537	2.108	2.065	2.136
October	2.962	2.954	2.840	2.361	R2.249	2.419	2.445	2.441	2.647	2.045	R2.080	2.090
November	2.764	2.755	2.542	1.997	1.829	2.062	2.210	2.205	2.369	1.683	1.702	1.733

NA = Not available.

- = No data reported.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 7. U.S. refiner motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
1995	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
1996	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
1997	40.5	42.4	46.2	135.7	33.9	215.8	9.7	10.0	12.1	16.3	NA	28.4
1998	41.7	43.2	44.4	138.9	37.1	220.3	10.1	10.3	11.1	16.3	NA	27.4
1999	41.6	43.0	45.6	147.5	34.5	227.6	9.9	10.1	10.5	16.1	NA	26.6
2000	43.6	45.0	47.5	159.3	32.4	239.3	8.6	8.7	8.8	14.2	-	23.0
2001	45.0	46.3	47.2	163.2	33.0	243.5	8.3	8.4	7.8	13.3	-	21.1
2002	46.2	47.4	46.9	163.0	39.2	249.2	8.3	8.5	7.4	13.4	-	20.8
2003	47.3	48.6	43.5	171.4	40.1	255.0	7.8	7.9	5.5	13.1	-	18.6
2004	44.5	45.8	41.1	182.1	42.2	265.4	6.4	6.5	4.4	12.7	-	17.0
2005	46.4	47.5	37.5	189.8	45.8	273.2	5.9	6.0	3.2	13.5	-	16.7
2006	48.2	49.4	34.8	196.0	40.8	271.7	5.5	5.5	2.4	11.7	-	14.1
2007	47.0	47.8	34.0	195.7	46.8	276.6	5.0	5.0	2.0	11.7	-	13.7
2008	45.6	46.6	32.5	192.7	43.7	268.8	4.1	4.2	1.5	11.0	-	12.5
2009	40.5	42.2	32.4	196.8	39.3	268.5	3.5	3.5	1.3	10.2	-	11.5
2010	36.6	38.1	29.0	202.2	41.4	272.5	3.0	3.1	0.9	9.9	-	10.8
2011	32.1	33.5	24.9	204.9	30.5	260.2	2.5	2.5	0.7	8.5	-	9.2
2012	23.6	25.2	22.4	209.3	25.8	257.5	1.9	1.9	0.6	8.3	-	8.9
2013	19.3	20.9	22.7	209.2	22.3	254.2	1.6	1.6	0.6	6.7	-	7.2
2014	16.7	18.2	18.9	216.9	18.9	254.8	1.4	1.4	0.4	3.1	-	3.5
2015	20.8	21.1	18.0	224.2	19.6	261.8	1.7	1.8	0.3	2.7	-	3.1
2016												
January	19.9	20.2	17.2	214.4	18.2	249.8	1.7	1.7	0.3	2.4	-	2.8
February	20.4	20.7	18.0	222.4	16.7	257.0	1.8	1.8	0.3	2.4	-	2.7
March	20.5	20.7	18.1	224.8	23.1	266.0	1.8	1.8	0.3	2.4	-	2.8
April	21.0	21.3	18.4	228.7	16.0	263.1	1.8	1.8	0.3	2.5	-	2.9
May	21.1	21.3	18.3	228.6	19.1	266.0	1.8	1.8	0.3	2.6	-	3.0
June	21.7	21.9	18.2	235.5	20.4	274.1	1.9	1.9	0.3	2.7	-	3.1
July	21.4	21.6	18.0	232.3	22.7	273.0	1.9	1.9	0.3	2.7	-	3.0
August	21.5	21.7	18.4	233.9	21.8	274.1	1.9	1.9	0.3	2.7	-	3.0
September	21.4	21.6	18.0	229.9	20.6	268.5	1.9	1.9	0.3	2.5	-	2.8
October	21.1	21.4	17.8	229.7	16.2	263.6	1.8	1.8	0.3	2.4	-	2.7
November	20.1	20.3	17.4	228.3	16.5	262.2	1.7	1.7	0.3	2.4	-	2.7
December	19.6	19.8	17.6	227.2	16.2	261.0	1.7	1.7	0.3	2.2	-	2.5
2016	20.8	21.0	17.9	228.0	19.0	264.9	1.8	1.8	0.3	2.5	-	2.8
2017												
January	18.8	19.0	16.3	212.3	15.4	244.1	1.6	1.6	0.3	2.0	-	2.3
February	19.4	19.7	17.0	221.5	16.2	254.7	1.6	1.7	0.3	2.0	-	2.3
March	20.0	20.2	17.8	229.7	12.3	259.8	1.7	1.7	0.3	2.1	-	2.4
April	19.8	20.0	17.5	229.1	18.4	265.0	1.7	1.7	0.3	2.1	-	2.4
May	20.2	20.4	17.5	233.9	14.8	266.2	1.7	1.8	0.3	2.3	-	2.6
June	20.9	21.1	17.6	238.4	13.0	269.0	1.8	1.8	0.3	2.4	-	2.7
July	20.1	20.3	17.3	234.6	12.0	264.0	1.7	1.8	0.3	2.3	-	2.6
August	20.5	20.8	17.7	241.0	15.5	274.1	1.8	1.8	0.3	2.3	-	2.6
September	20.0	20.3	17.2	229.5	17.8	264.6	1.7	1.7	0.3	2.1	-	2.3
October	20.3	20.6	17.1	234.1	16.5	267.7	1.7	1.7	0.3	2.0	-	2.3
November	19.9	20.2	17.0	231.5	18.4	266.8	1.7	1.7	0.3	2.0	-	2.2
December	19.8	20.0	16.8	230.0	17.6	264.4	1.6	1.7	0.3	1.9	-	2.1
2017	20.0	20.2	17.2	230.5	15.6	263.4	1.7	1.7	0.3	2.1	-	2.4
2018												
January	18.5	18.7	15.9	215.9	16.4	248.3	1.5	1.5	0.2	1.7	-	2.0
February	19.2	19.5	16.8	224.3	18.9	260.1	1.6	1.6	0.2	1.8	-	2.0
March	19.7	20.0	17.3	231.3	20.4	269.0	1.7	1.7	0.2	1.8	-	2.1
April	19.6	19.8	17.5	231.0	20.6	269.0	1.6	1.6	0.3	1.9	-	2.1
May	19.8	20.1	17.3	240.2	21.5	279.0	1.7	1.7	0.2	2.0	-	2.2
June	20.5	20.8	17.4	242.1	20.4	279.8	1.7	1.7	0.2	2.0	-	2.2
July	20.0	20.3	17.3	237.2	18.3	272.7	1.7	1.7	0.2	2.0	-	2.2
August	20.7	21.0	17.6	241.8	15.5	275.0	1.7	1.7	0.2	2.0	-	2.2
September	19.8	20.1	17.1	230.0	20.7	267.8	1.7	1.7	0.2	1.8	-	2.0
October	20.3	20.6	17.0	R236.1	15.9	R269.0	1.7	1.7	0.2	1.7	-	1.9
November	20.2	20.5	16.7	233.6	14.8	265.1	1.7	1.7	0.2	1.7	-	1.9

See footnotes at end of table.

Table 7. U.S. refiner motor gasoline volumes by grade and sales type (cont.)

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
1995	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
1996	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
1997	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
1998	9.6	9.9	17.4	30.9	4.3	52.7	61.4	63.3	73.0	186.1	41.4	300.4
1999	8.7	8.9	16.1	31.0	5.7	52.7	60.2	62.0	72.2	194.6	40.2	306.9
2000	6.9	7.1	13.0	24.4	4.7	42.1	59.1	60.9	69.4	197.9	37.1	304.4
2001	7.1	7.3	12.3	24.6	3.7	40.6	60.4	62.0	67.4	201.1	36.7	305.2
2002	7.5	7.8	12.5	25.2	4.1	41.8	62.1	63.6	66.9	201.7	43.3	311.8
2003	7.1	7.3	10.8	23.9	3.3	38.1	62.2	63.8	59.8	208.4	43.4	311.6
2004	5.9	6.1	9.4	22.3	2.3	34.0	56.9	58.4	54.8	217.1	44.5	316.4
2005	5.2	5.4	8.0	20.9	3.0	31.9	57.5	59.0	48.7	224.2	48.9	321.8
2006	4.9	5.1	7.1	20.3	2.4	29.7	58.6	60.0	44.3	228.0	43.2	315.6
2007	4.7	4.8	6.9	20.2	2.4	29.5	56.7	57.7	43.0	227.6	49.2	319.8
2008	4.2	4.3	5.9	17.1	1.9	25.0	53.9	55.1	39.9	220.8	45.7	306.4
2009	4.0	4.1	6.3	19.1	2.1	27.4	48.0	49.8	39.9	226.1	41.4	307.4
2010	3.4	3.5	5.7	20.9	2.1	28.7	43.1	44.7	35.7	232.9	43.5	312.0
2011	2.9	3.0	4.6	20.3	2.0	26.9	37.5	39.0	30.1	233.7	32.5	296.3
2012	2.5	2.6	4.2	21.6	2.6	28.4	28.0	29.7	27.2	239.2	28.4	294.7
2013	2.2	2.3	4.3	22.7	2.6	29.6	23.0	24.7	27.6	238.6	24.8	291.0
2014	1.9	2.0	4.2	24.4	2.3	30.9	19.9	21.6	23.5	244.5	21.2	289.2
2015	2.6	2.6	4.5	27.3	2.0	33.8	25.1	25.5	22.9	254.2	21.6	298.7
2016												
January	2.5	2.6	4.6	26.1	2.1	32.8	24.1	24.4	22.1	243.0	20.2	285.3
February	2.7	2.7	5.0	27.8	2.5	35.3	24.9	25.2	23.3	252.6	19.1	295.0
March	2.7	2.7	4.9	27.7	2.3	35.0	25.0	25.2	23.4	255.0	25.4	303.8
April	2.7	2.8	5.0	28.6	3.0	36.5	25.6	25.9	23.7	259.8	19.0	302.5
May	2.8	2.8	5.0	29.2	2.5	36.8	25.7	26.0	23.7	260.4	21.7	305.8
June	2.8	2.9	5.0	30.1	2.6	37.7	26.4	26.7	23.6	268.3	23.0	314.9
July	2.8	2.9	5.0	32.3	2.7	40.0	26.1	26.3	23.3	267.3	25.3	315.9
August	2.9	2.9	5.2	30.6	1.9	37.6	26.2	26.5	23.9	267.2	23.7	314.8
September	2.9	2.9	5.0	29.1	2.4	36.5	26.2	26.4	23.4	261.5	23.0	307.8
October	2.7	2.7	4.9	28.4	2.2	35.5	25.6	25.9	23.0	260.5	18.4	301.9
November	2.6	2.6	4.9	28.2	1.7	34.8	24.4	24.6	22.5	258.9	18.2	299.6
December	2.5	2.5	4.9	27.5	2.6	35.0	23.8	24.1	22.8	256.9	18.7	298.5
2016	2.7	2.7	5.0	28.8	2.4	36.1	25.3	25.6	23.2	259.3	21.3	303.8
2017												
January	2.3	2.4	4.5	25.3	1.7	31.5	22.7	22.9	21.2	239.6	17.1	277.9
February	2.4	2.4	4.7	26.7	1.3	32.7	23.5	23.8	22.0	250.2	17.5	289.7
March	2.5	2.5	4.9	28.1	1.9	34.9	24.2	24.5	23.0	259.9	14.2	297.2
April	2.5	2.6	4.9	28.5	2.1	35.5	24.1	24.3	22.7	259.7	20.5	302.9
May	2.6	2.7	5.0	30.6	1.6	37.2	24.6	24.9	22.8	266.8	16.4	306.0
June	2.7	2.7	5.0	31.2	1.8	38.0	25.4	25.7	22.8	272.1	14.8	309.7
July	2.7	2.7	5.0	30.9	1.5	37.4	24.6	24.8	22.6	267.9	13.5	304.0
August	2.7	2.7	5.1	31.3	1.8	38.1	24.9	25.2	23.0	274.6	17.3	314.9
September	2.6	2.6	4.8	29.0	1.8	35.6	24.3	24.6	22.3	260.6	19.6	302.5
October	2.6	2.6	4.9	29.2	1.9	36.0	24.6	24.9	22.3	265.3	18.3	305.9
November	2.4	2.4	4.6	28.6	2.5	35.7	24.0	24.3	21.9	262.0	20.9	304.8
December	2.4	2.4	4.8	28.3	2.6	35.6	23.8	24.1	21.9	260.1	20.2	302.2
2017	2.5	2.6	4.9	29.0	1.9	35.7	24.2	24.5	22.4	261.6	17.5	301.5
2018												
January	2.3	2.3	4.5	26.3	2.0	32.8	22.3	22.5	20.7	244.0	18.4	283.1
February	2.3	2.3	4.7	27.3	2.0	34.0	23.1	23.4	21.8	253.4	20.8	296.0
March	2.4	2.5	4.7	28.7	1.7	35.2	23.8	24.1	22.3	261.9	22.1	306.3
April	2.4	2.4	4.9	28.7	2.2	35.8	23.5	23.8	22.6	261.5	22.8	306.9
May	2.5	2.5	4.8	30.5	1.9	37.2	24.0	24.3	22.3	272.7	23.4	318.4
June	2.5	2.6	4.8	29.9	2.8	37.5	24.7	25.1	22.4	273.9	23.2	319.5
July	2.5	2.5	4.8	30.0	2.3	37.1	24.2	24.6	22.3	269.2	20.6	312.1
August	2.6	2.6	4.9	30.5	2.0	37.3	25.0	25.4	22.8	274.2	17.5	314.5
September	2.5	2.5	4.8	28.9	1.9	35.6	24.0	24.4	22.1	260.7	22.6	305.4
October	2.4	2.4	4.7	28.6	1.9	R35.2	24.3	24.7	21.9	R266.4	R17.9	R306.2
November	2.4	2.4	4.7	28.6	1.7	34.9	24.3	24.6	21.5	263.9	16.5	301.9

NA = Not available.

- = No data reported.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.687	0.681	0.636	0.545	0.50	0.558	0.784	0.778	0.694	NA	NA	0.627
1995	0.710	0.704	0.651	0.570	0.525	0.573	0.80	0.794	0.711	0.610	NA	0.637
1996	0.797	0.791	0.743	0.665	0.607	0.664	0.884	0.878	0.801	0.70	NA	0.726
1997	0.781	0.775	0.719	0.649	0.60	0.648	0.874	0.869	0.783	0.685	W	0.708
1998	0.611	0.606	0.551	0.473	0.439	0.473	0.704	0.70	0.613	0.511	W	0.533
1999	0.710	0.706	0.676	0.595	0.520	0.590	0.802	0.799	0.734	0.628	-	0.650
2000	1.045	1.040	0.994	0.913	0.844	0.909	1.136	1.133	1.052	0.945	-	0.964
2001	0.961	0.958	0.914	0.835	0.761	0.830	1.058	1.055	0.984	0.872	-	0.889
2002	0.893	0.891	0.836	0.791	0.723	0.782	0.985	0.981	0.906	0.829	-	0.839
2003	1.081	1.078	1.040	0.952	0.871	0.942	1.173	1.168	1.108	0.994	-	1.006
2004	1.368	1.364	1.325	1.244	1.170	1.234	1.454	1.450	1.391	1.287	-	1.296
2005	1.780	1.776	1.709	1.643	1.555	1.629	1.861	1.857	1.781	1.675	-	1.682
2006	2.062	2.060	2.054	1.925	1.864	1.918	2.166	2.164	2.134	1.972	-	1.980
2007	2.292	2.289	2.242	2.153	2.065	2.138	2.392	2.390	2.298	2.222	-	2.225
2008	2.717	2.714	2.698	2.560	2.513	2.555	2.829	2.829	2.734	2.581	-	2.586
2009	1.825	1.821	1.817	1.735	1.657	1.723	1.936	1.936	1.877	1.751	-	1.755
2010	2.244	2.239	2.244	2.139	2.065	2.128	2.361	2.361	2.336	2.160	-	2.164
2011	2.998	2.989	2.916	2.834	2.751	2.825	3.105	3.104	3.033	2.869	-	2.872
2012	3.076	3.060	2.999	2.867	2.816	2.864	3.202	3.202	3.117	2.886	-	2.890
2013	2.975	2.954	2.797	2.745	2.724	2.745	3.110	3.110	2.947	2.850	-	2.852
2014	2.775	2.753	2.706	2.558	2.502	2.556	2.932	2.931	2.858	2.703	-	2.711
2015	1.833	1.833	1.858	1.625	1.575	1.625	2.033	2.032	2.090	1.794	-	1.809
2016												
January	1.304	1.305	1.296	1.073	W	1.083	1.524	1.524	1.578	1.221	-	1.241
February	1.167	1.167	1.103	0.960	W	0.964	1.377	1.376	1.349	1.098	-	1.112
March	1.413	1.412	1.329	1.248	1.175	1.242	1.602	1.601	1.558	1.408	-	1.416
April	1.577	1.576	1.459	1.383	1.310	1.379	1.782	1.781	1.653	1.548	-	1.554
May	1.749	1.749	1.604	1.543	1.425	1.535	1.951	1.950	1.743	1.707	-	1.709
June	1.855	1.854	1.658	1.562	1.493	1.558	2.043	2.041	1.802	1.735	-	1.738
July	1.648	1.649	1.604	1.408	1.392	1.411	1.891	1.890	1.765	1.589	-	1.599
August	1.636	1.636	1.529	1.455	W	1.449	1.865	1.866	1.681	1.633	-	1.635
September	1.659	1.660	1.620	1.439	W	1.441	1.905	1.905	1.770	1.620	-	1.629
October	1.691	1.692	1.648	1.493	1.456	1.493	1.933	1.933	1.796	1.674	-	1.681
November	1.613	1.613	1.520	1.346	W	1.351	1.865	1.864	1.703	1.513	-	1.524
December	1.740	1.739	1.560	1.532	1.457	1.527	1.953	1.952	1.728	1.680	-	1.683
2016	1.591	1.591	1.497	1.375	1.332	1.374	1.811	1.811	1.681	1.541	-	1.549
2017												
January	1.768	1.768	1.663	1.557	1.575	1.561	2.009	2.008	1.817	1.724	-	1.730
February	1.700	1.701	1.679	1.540	1.546	1.544	1.956	1.956	1.866	1.709	-	1.719
March	1.739	1.740	1.766	1.542	W	1.546	1.994	1.992	1.961	1.715	-	1.730
April	1.858	1.858	1.831	1.635	1.594	1.636	2.099	2.094	2.003	1.811	-	1.822
May	1.803	1.803	1.781	1.563	W	1.566	2.057	2.056	1.977	1.751	-	1.764
June	1.746	1.746	1.704	1.475	W	1.480	2.005	2.004	1.906	1.662	-	1.676
July	1.721	1.721	1.709	1.532	1.488	1.534	1.967	1.967	1.877	1.714	-	1.723
August	1.807	1.806	1.803	1.632	W	1.632	2.056	2.055	1.954	1.817	-	1.825
September	2.013	2.011	1.923	1.750	W	1.748	2.279	2.273	2.048	1.948	-	1.954
October	1.905	1.904	1.792	1.661	W	1.663	2.171	2.168	1.978	1.838	-	1.847
November	1.985	1.984	1.899	1.737	W	1.741	2.235	2.231	2.058	1.902	-	1.912
December	1.900	1.899	1.815	1.651	1.700	1.658	2.158	2.155	2.006	1.812	-	1.825
2017	1.829	1.829	1.780	1.607	1.602	1.610	2.082	2.080	1.954	1.781	-	1.791
2018												
January	1.965	1.963	1.888	1.776	1.783	1.779	2.203	2.201	2.087	1.945	-	1.954
February	1.949	1.948	1.934	1.732	1.827	1.744	2.218	2.216	2.151	1.912	-	1.928
March	1.974	1.973	2.051	1.791	1.776	1.795	2.235	2.233	2.253	1.972	-	1.990
April	2.148	2.148	2.232	1.956	1.915	1.957	2.411	2.408	2.436	2.147	-	2.165
May	2.331	2.328	2.385	2.106	2.067	2.107	2.597	2.592	2.579	2.300	-	2.316
June	2.298	2.295	2.340	2.036	2.044	2.042	2.579	2.576	2.532	2.246	-	2.261
July	2.286	2.284	2.288	2.063	2.027	2.065	2.550	2.548	2.458	2.270	-	2.281
August	2.267	2.264	2.235	2.038	2.025	2.041	2.536	2.535	2.442	2.244	-	2.254
September	2.265	2.263	2.271	2.054	2.028	2.056	2.537	2.536	2.485	2.252	-	2.266
October	2.249	2.247	2.358	1.989	2.042	1.999	2.540	2.538	2.586	R2.190	-	R2.213
November	1.984	1.982	2.115	1.628	1.665	1.639	2.314	2.312	2.383	1.824	-	1.855

See footnotes at end of table.

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type (cont.)

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.863	0.855	0.778	0.638	0.555	0.682	0.736	0.729	0.683	0.565	0.507	0.589
1995	0.877	0.868	0.790	0.665	0.568	0.684	0.753	0.746	0.693	0.590	0.530	0.598
1996	0.960	0.951	0.869	0.755	0.645	0.767	0.834	0.827	0.778	0.682	0.610	0.685
1997	0.954	0.946	0.856	0.742	0.641	0.753	0.819	0.813	0.756	0.666	0.604	0.668
1998	0.783	0.776	0.684	W	0.474	0.576	0.652	0.647	0.589	0.491	0.442	0.494
1999	0.872	0.865	0.801	0.679	0.558	0.681	0.748	0.743	0.711	0.611	0.525	0.609
2000	1.211	1.201	1.120	1.002	0.897	1.005	1.076	1.071	1.023	0.926	0.849	0.925
2001	1.129	1.123	1.042	0.922	0.806	0.923	0.992	0.989	0.943	0.848	0.765	0.845
2002	1.064	1.058	0.978	0.889	0.788	0.886	0.924	0.921	0.867	0.806	0.729	0.798
2003	1.253	1.245	1.178	1.051	0.925	1.050	1.109	1.105	1.067	0.965	0.874	0.957
2004	1.544	1.534	1.466	1.347	1.248	1.348	1.391	1.387	1.348	1.257	1.174	1.247
2005	1.966	1.954	1.857	1.747	1.652	1.746	1.801	1.797	1.732	1.654	1.560	1.641
2006	2.274	2.265	2.215	2.070	1.981	2.071	2.084	2.082	2.077	1.940	1.869	1.933
2007	2.502	2.494	2.415	2.328	2.181	2.317	2.313	2.309	2.267	2.172	2.070	2.156
2008	2.928	2.921	2.851	2.726	2.650	2.726	2.736	2.733	2.716	2.573	2.518	2.568
2009	2.062	2.054	2.014	1.927	1.802	1.918	1.845	1.841	1.843	1.750	1.664	1.738
2010	2.489	2.478	2.443	2.329	2.172	2.318	2.264	2.259	2.270	2.155	2.069	2.143
2011	3.230	3.219	3.105	3.035	2.864	3.018	3.016	3.008	2.939	2.851	2.758	2.841
2012	3.316	3.299	3.194	3.116	3.094	3.116	3.098	3.083	3.024	2.887	2.843	2.886
2013	3.231	3.213	3.011	3.059	3.004	3.049	2.997	2.977	2.825	2.775	2.755	2.774
2014	3.063	3.043	2.901	2.885	2.794	2.875	2.800	2.778	2.736	2.589	2.535	2.587
2015	2.216	2.210	2.085	2.016	1.812	1.999	1.869	1.869	1.899	1.663	1.599	1.663
2016												
January	1.737	1.733	W	1.441	1.272	1.428	1.345	1.346	1.337	1.109	1.137	1.117
February	1.593	1.590	W	1.315	1.132	1.297	1.209	1.209	1.143	0.995	0.991	0.998
March	1.812	1.808	1.548	1.612	1.381	1.586	1.451	1.450	1.369	1.283	1.194	1.276
April	1.995	1.992	1.674	1.763	1.489	1.726	1.617	1.617	1.498	1.421	1.339	1.416
May	2.174	2.170	1.809	1.935	1.630	1.898	1.791	1.790	1.641	1.583	1.451	1.573
June	2.275	2.270	1.862	1.955	1.723	1.926	1.895	1.894	1.696	1.602	1.522	1.597
July	2.122	2.119	1.812	1.787	1.549	1.764	1.696	1.697	1.643	1.451	1.410	1.452
August	2.103	2.099	W	1.837	1.559	1.812	1.682	1.682	1.566	1.495	1.393	1.487
September	2.142	2.137	W	1.846	1.566	1.817	1.707	1.708	1.658	1.480	1.440	1.480
October	2.182	2.178	1.860	1.901	1.642	1.874	1.738	1.738	1.685	1.533	1.479	1.533
November	2.112	2.108	W	1.733	1.500	1.715	1.660	1.660	1.557	1.384	1.382	1.388
December	2.209	2.204	1.774	1.875	1.587	1.838	1.782	1.781	1.599	1.564	1.476	1.558
2016	2.042	2.037	1.709	1.758	1.510	1.731	1.635	1.634	1.536	1.414	1.353	1.411
2017												
January	2.265	2.258	1.866	1.908	1.736	1.893	1.813	1.812	1.700	1.590	1.589	1.593
February	2.216	2.210	1.911	1.899	1.732	1.890	1.747	1.748	1.721	1.574	1.560	1.577
March	2.250	2.247	W	1.916	1.716	1.903	1.786	1.787	1.808	1.578	1.562	1.583
April	2.356	2.352	2.059	2.005	1.777	1.988	1.904	1.904	1.872	1.672	1.611	1.671
May	2.311	2.306	W	1.950	1.731	1.938	1.851	1.851	1.823	1.604	1.552	1.605
June	2.263	2.257	W	1.851	1.695	1.843	1.795	1.795	1.745	1.515	1.503	1.520
July	2.227	2.220	1.931	1.902	1.703	1.893	1.770	1.769	1.751	1.572	1.510	1.573
August	2.310	2.302	W	2.014	1.800	2.000	1.855	1.854	1.845	1.672	1.605	1.671
September	2.523	2.514	W	2.137	2.017	2.128	2.061	2.059	1.960	1.789	1.713	1.786
October	2.421	2.412	W	2.027	1.842	2.013	1.953	1.951	1.832	1.697	1.664	1.698
November	2.497	2.489	W	2.083	1.880	2.063	2.031	2.029	1.939	1.770	1.764	1.773
December	2.426	2.417	2.039	1.987	1.804	1.971	1.947	1.946	1.857	1.684	1.712	1.690
2017	2.338	2.331	2.002	1.973	1.792	1.961	1.876	1.876	1.821	1.643	1.622	1.646
2018												
January	2.479	2.468	2.118	2.121	1.956	2.106	2.010	2.009	1.931	1.809	1.801	1.811
February	2.493	2.482	2.176	2.086	1.943	2.078	1.997	1.996	1.980	1.766	1.838	1.777
March	2.510	2.502	2.298	2.154	1.954	2.146	2.022	2.021	2.097	1.827	1.789	1.829
April	2.683	2.676	2.484	2.337	2.141	2.325	2.197	2.196	2.278	1.993	1.936	1.994
May	2.867	2.852	2.632	2.487	2.273	2.476	2.380	2.377	2.431	2.145	2.083	2.145
June	2.848	2.832	2.570	2.425	2.201	2.404	2.348	2.345	2.383	2.074	2.064	2.079
July	2.828	2.814	2.522	2.439	2.224	2.422	2.335	2.333	2.332	2.102	2.050	2.102
August	2.814	2.798	2.477	2.418	2.185	2.403	2.317	2.314	2.280	2.077	2.043	2.079
September	2.810	2.796	2.526	2.420	2.222	2.409	2.315	2.313	2.318	2.091	2.042	2.091
October	2.823	2.806	2.617	2.366	2.188	2.363	2.300	2.297	2.406	2.025	R2.056	2.035
November	2.583	2.565	2.373	2.008	1.779	2.006	2.038	2.035	2.164	1.665	1.676	1.676

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent. Sales to end users - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	24.1	25.4	17.8	108.5	27.1	153.4	5.7	5.9	4.4	12.9	NA	17.3
1997	25.0	26.4	16.4	110.9	26.4	153.7	5.7	5.9	3.9	12.7	W	16.6
1998	25.4	26.6	13.7	112.0	28.8	154.5	6.0	6.1	3.4	12.5	W	15.8
1999	25.0	26.0	13.4	117.4	24.9	155.8	5.9	6.0	3.1	12.2	-	15.3
2000	26.0	27.1	12.8	125.7	23.9	162.4	4.9	5.0	2.3	10.8	-	13.1
2001	26.6	27.4	12.0	128.5	24.0	164.5	4.6	4.7	1.9	10.2	-	12.0
2002	27.2	28.0	11.3	127.9	31.0	170.2	4.7	4.8	1.6	10.4	-	11.9
2003	27.5	28.3	10.3	131.1	32.4	173.8	4.3	4.4	1.2	10.0	-	11.2
2004	26.5	27.3	9.7	136.7	36.1	182.5	3.5	3.6	0.9	9.8	-	10.8
2005	27.4	28.3	9.0	140.1	36.4	185.5	3.1	3.2	0.7	10.8	-	11.5
2006	28.9	29.8	7.3	143.7	37.4	188.4	2.9	2.9	0.5	9.3	-	9.7
2007	29.6	30.2	7.4	150.3	43.0	200.7	2.6	2.6	0.5	10.3	-	10.8
2008	28.9	29.8	7.1	144.5	39.5	191.1	2.1	2.2	0.4	9.9	-	10.3
2009	26.5	27.8	6.6	147.0	35.9	189.5	1.9	1.9	0.3	9.1	-	9.4
2010	24.9	26.2	5.9	147.6	37.1	190.7	1.7	1.7	0.2	8.7	-	8.9
2011	21.3	22.4	5.4	147.3	26.3	179.0	1.3	1.3	0.1	7.4	-	7.5
2012	14.4	15.7	5.0	149.0	21.7	175.8	0.9	0.9	0.1	7.2	-	7.4
2013	11.6	13.0	6.2	149.9	18.8	174.9	0.7	0.7	0.1	5.7	-	5.8
2014	11.1	12.5	4.3	154.9	16.8	176.0	0.6	0.6	0.1	2.1	-	2.3
2015	14.0	14.3	3.9	160.7	16.8	181.4	0.8	0.8	0.1	1.9	-	2.0
2016												
January	13.5	13.8	W	153.0	W	172.2	0.8	0.8	0.1	1.7	-	1.8
February	14.0	14.2	W	158.9	W	176.8	0.8	0.9	0.1	1.7	-	1.8
March	14.0	14.2	4.1	161.9	20.0	186.0	0.9	0.9	0.1	1.7	-	1.8
April	14.4	14.6	4.2	164.0	13.5	181.7	0.9	0.9	0.1	1.7	-	1.8
May	14.4	14.6	4.2	163.6	15.4	183.3	0.9	0.9	0.1	1.8	-	1.9
June	14.7	14.9	4.2	168.5	16.4	189.1	0.9	0.9	0.1	1.9	-	2.0
July	14.6	14.8	4.2	167.0	18.9	190.2	0.9	0.9	0.1	1.9	-	2.0
August	14.7	14.9	W	167.8	W	191.0	0.9	0.9	0.1	1.8	-	1.9
September	14.5	14.8	W	164.5	W	186.1	0.9	0.9	0.1	1.7	-	1.8
October	14.4	14.6	4.0	164.4	13.5	181.9	0.9	0.9	0.1	1.7	-	1.8
November	13.4	13.6	W	163.9	W	181.0	0.8	0.8	0.1	1.6	-	1.7
December	12.9	13.1	3.9	162.6	13.6	180.1	0.8	0.8	0.1	1.5	-	1.6
2016	14.1	14.3	4.1	163.4	15.8	183.3	0.9	0.9	0.1	1.7	-	1.8
2017												
January	12.3	12.5	3.7	151.5	13.0	168.2	0.7	0.7	0.1	1.4	-	1.5
February	12.9	13.1	3.8	158.6	13.4	175.9	0.7	0.8	0.1	1.4	-	1.5
March	13.3	13.5	W	164.4	W	178.2	0.8	0.8	0.1	1.5	-	1.6
April	13.2	13.4	4.0	163.9	15.6	183.5	0.8	0.8	0.1	1.5	-	1.6
May	13.4	13.6	W	168.2	W	184.8	0.8	0.8	0.1	1.6	-	1.7
June	13.8	14.1	W	171.5	W	186.0	0.8	0.8	0.1	1.7	-	1.8
July	13.3	13.5	4.0	169.6	9.6	183.1	0.8	0.8	0.1	1.6	-	1.7
August	13.6	13.9	W	174.5	W	191.7	0.8	0.8	0.1	1.6	-	1.7
September	13.2	13.4	W	165.1	W	184.5	0.8	0.8	0.1	1.5	-	1.5
October	13.5	13.7	W	167.7	W	184.8	0.8	0.8	0.1	1.4	-	1.5
November	13.2	13.5	W	166.0	W	184.7	0.8	0.8	0.1	1.4	-	1.5
December	13.2	13.4	3.6	164.5	14.7	182.7	0.8	0.8	0.1	1.3	-	1.4
2017	13.3	13.5	3.9	165.5	13.0	182.4	0.8	0.8	0.1	1.5	-	1.6
2018												
January	12.2	12.4	3.5	153.8	13.7	171.0	0.7	0.7	0.1	1.2	-	1.3
February	12.8	13.0	3.6	159.4	15.6	178.6	0.7	0.7	0.1	1.2	-	1.3
March	13.0	13.2	3.7	165.6	17.0	186.2	0.8	0.8	0.1	1.3	-	1.4
April	12.8	13.0	3.6	165.1	17.8	186.4	0.7	0.8	0.1	1.3	-	1.4
May	12.9	13.2	3.5	172.6	18.7	194.9	0.7	0.8	0.1	1.4	-	1.5
June	13.4	13.7	3.6	174.3	17.4	195.4	0.8	0.8	0.1	1.4	-	1.5
July	13.0	13.2	3.7	171.6	14.7	189.9	0.7	0.8	0.1	1.4	-	1.5
August	13.5	13.8	3.7	174.3	12.3	190.3	0.8	0.8	0.1	1.4	-	1.5
September	12.9	13.2	3.5	164.7	18.0	186.2	0.7	0.8	0.1	1.3	-	1.4
October	13.2	13.5	3.5	R170.0	R13.7	R187.1	0.7	0.7	0.1	1.2	-	1.3
November	13.4	13.6	3.4	168.1	12.6	184.1	0.7	0.8	0.1	1.2	-	1.3

See footnotes at end of table.

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type (cont.)
million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	8.5	8.9	16.5	28.0	2.8	47.2	45.8	47.9	62.7	156.0	25.8	244.5
1995	6.2	6.4	7.7	25.1	2.9	35.6	36.2	38.0	32.1	143.8	28.9	204.8
1996	4.9	5.1	5.8	22.5	2.5	30.8	34.7	36.5	28.1	143.8	29.6	201.5
1997	4.8	5.0	5.1	21.9	2.5	29.5	35.4	37.2	25.4	145.6	28.9	199.8
1998	5.5	5.7	4.7	W	2.7	31.9	36.9	38.5	21.8	148.9	31.5	202.2
1999	5.0	5.2	4.3	24.1	3.8	32.2	35.9	37.2	20.8	153.7	28.7	203.3
2000	3.7	3.9	3.1	18.6	2.8	24.5	34.7	35.9	18.2	155.1	26.7	200.0
2001	3.7	3.8	2.8	18.7	2.7	24.1	35.0	36.0	16.7	157.4	26.7	200.7
2002	3.8	4.0	2.6	19.1	3.0	24.7	35.8	36.8	15.5	157.4	34.0	206.9
2003	3.4	3.5	2.1	17.5	2.4	21.9	35.1	36.3	13.6	158.6	34.8	207.0
2004	2.6	2.8	1.6	15.8	1.7	19.2	32.6	33.7	12.3	162.3	37.8	212.4
2005	2.3	2.4	1.4	14.4	1.9	17.7	32.8	33.8	11.0	165.4	38.2	214.6
2006	2.1	2.2	1.1	13.9	1.7	16.6	33.9	35.0	8.8	166.8	39.1	214.7
2007	2.1	2.2	1.1	14.4	2.0	17.4	34.3	35.0	9.0	175.0	44.9	228.9
2008	1.8	1.9	0.9	11.7	1.5	14.2	32.9	33.9	8.4	166.2	41.0	215.6
2009	1.7	1.8	0.9	12.9	1.8	15.6	30.0	31.5	7.8	169.0	37.7	214.5
2010	1.5	1.6	0.8	13.5	1.7	15.9	28.2	29.5	6.9	169.8	38.8	215.5
2011	1.2	1.3	0.7	12.6	1.8	15.1	23.8	25.1	6.2	167.3	28.1	201.6
2012	1.0	1.1	0.7	13.2	2.4	16.2	16.3	17.7	5.8	169.5	24.1	199.4
2013	0.8	0.9	0.8	14.0	2.4	17.2	13.1	14.5	7.1	169.6	21.2	197.9
2014	0.7	0.8	0.7	15.1	2.1	17.9	12.5	14.0	5.1	172.1	18.9	196.2
2015	1.1	1.1	0.7	16.8	1.8	19.4	15.9	16.2	4.8	179.4	18.6	202.8
2016												
January	1.1	1.1	W	16.0	W	18.6	15.4	15.7	4.8	170.7	17.0	192.5
February	1.1	1.1	W	16.9	W	19.6	15.9	16.2	4.9	177.4	15.8	198.2
March	1.1	1.2	0.8	17.0	2.0	19.9	16.0	16.2	5.0	180.6	22.0	207.7
April	1.2	1.2	0.8	17.6	2.6	21.0	16.4	16.7	5.1	183.3	16.1	204.5
May	1.2	1.2	0.9	18.0	2.2	21.1	16.4	16.7	5.2	183.5	17.7	206.3
June	1.2	1.2	0.9	18.6	2.3	21.8	16.8	17.0	5.2	189.0	18.7	212.9
July	1.2	1.3	0.9	20.9	2.4	24.2	16.8	17.0	5.1	189.8	21.4	216.3
August	1.2	1.2	W	18.9	W	21.4	16.8	17.1	5.2	188.5	20.6	214.4
September	1.2	1.2	W	17.8	W	20.8	16.7	16.9	5.1	184.0	19.6	208.6
October	1.1	1.1	0.8	17.3	2.0	20.0	16.3	16.6	4.9	183.4	15.4	203.8
November	1.0	1.1	W	17.1	W	19.3	15.3	15.5	4.8	182.7	14.6	202.1
December	1.0	1.0	0.8	16.5	2.2	19.5	14.7	14.9	4.8	180.7	15.8	201.3
2016	1.1	1.2	0.8	17.7	2.1	20.6	16.1	16.4	5.0	182.8	17.9	205.7
2017												
January	0.9	0.9	0.7	15.1	1.3	17.1	13.9	14.1	4.5	168.1	14.3	186.8
February	1.0	1.0	0.8	16.0	1.0	17.8	14.6	14.8	4.7	176.1	14.4	195.2
March	1.0	1.0	W	16.9	W	19.4	15.1	15.3	5.0	182.8	11.4	199.2
April	1.0	1.0	0.8	17.3	1.6	19.8	15.0	15.3	4.8	182.7	17.3	204.9
May	1.1	1.1	W	19.0	W	21.1	15.3	15.5	4.9	188.8	14.0	207.7
June	1.1	1.1	W	19.5	W	21.8	15.8	16.0	4.9	192.6	12.1	209.7
July	1.1	1.1	0.9	19.5	1.1	21.4	15.2	15.5	4.9	190.7	10.7	206.3
August	1.1	1.1	W	19.6	W	21.9	15.5	15.8	5.0	195.8	14.6	215.3
September	1.0	1.1	W	17.8	W	20.1	15.0	15.2	4.7	184.4	17.0	206.1
October	1.0	1.0	W	17.8	W	19.9	15.3	15.5	4.7	186.8	14.7	206.2
November	1.0	1.0	W	17.3	W	20.2	15.0	15.2	4.4	184.7	17.3	206.4
December	1.0	1.0	0.8	17.0	2.0	19.8	14.9	15.1	4.4	182.8	16.6	203.9
2017	1.0	1.0	0.8	17.8	1.5	20.0	15.1	15.3	4.8	184.7	14.5	204.0
2018												
January	0.9	0.9	0.7	15.9	1.7	18.3	13.8	14.1	4.3	170.9	15.4	190.6
February	0.9	0.9	0.7	16.5	1.6	18.8	14.4	14.7	4.4	177.1	17.2	198.8
March	1.0	1.0	0.8	17.6	1.3	19.7	14.7	15.0	4.5	184.4	18.3	207.3
April	0.9	1.0	0.7	17.5	1.8	20.1	14.5	14.7	4.4	184.0	19.6	208.0
May	1.0	1.0	0.7	19.0	1.6	21.4	14.6	14.9	4.4	193.0	20.4	217.8
June	1.0	1.0	0.8	18.5	2.5	21.8	15.1	15.4	4.4	194.3	19.9	218.6
July	1.0	1.0	0.8	18.9	1.9	21.7	14.7	15.0	4.5	191.9	16.6	213.1
August	1.0	1.0	0.8	19.1	1.5	21.4	15.3	15.6	4.5	194.8	13.9	213.2
September	1.0	1.0	0.7	17.8	1.5	20.0	14.6	14.9	4.3	183.8	19.5	207.5
October	0.9	1.0	0.7	17.6	1.5	19.8	14.9	15.2	4.3	188.9	15.1	208.3
November	0.9	1.0	0.7	17.5	1.3	19.6	15.1	15.4	4.2	186.8	13.9	205.0

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. Sales to end users Year month Sales for resale - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.764	0.758	0.720	0.569	0.543	0.638	0.879	0.873	0.770	0.628	W	0.728
1995	0.749	0.744	0.707	0.605	0.573	0.650	0.836	0.833	0.753	0.651	-	0.723
1996	0.834	0.830	0.788	0.698	0.677	0.738	0.924	0.921	0.837	0.741	W	0.809
1997	0.830	0.828	0.787	0.682	0.668	0.731	0.928	0.925	0.840	0.725	W	0.807
1998	0.668	0.665	0.616	0.509	0.484	0.557	0.769	0.767	0.673	0.553	W	0.638
1999	0.804	0.80	0.752	0.642	0.601	0.686	0.895	0.892	0.807	0.676	NA	0.767
2000	1.126	1.123	1.058	0.978	0.953	1.012	1.219	1.217	1.114	1.014	-	1.085
2001	1.059	1.056	1.001	0.893	0.856	0.938	1.166	1.163	1.061	0.942	-	1.027
2002	0.946	0.944	0.906	0.834	0.779	0.861	1.052	1.050	0.988	0.875	-	0.958
2003	1.196	1.192	1.168	1.006	0.962	1.069	1.293	1.290	1.224	1.047	-	1.165
2004	1.472	1.470	1.447	1.299	1.248	1.353	1.572	1.570	1.494	1.340	-	1.436
2005	1.850	1.848	1.787	1.682	1.619	1.711	1.945	1.944	1.834	1.726	-	1.789
2006	2.166	2.164	2.097	2.002	1.885	2.030	2.275	2.274	2.170	2.078	-	2.129
2007	2.362	2.360	2.288	2.186	2.175	2.221	2.490	2.489	2.368	2.256	-	2.316
2008	2.812	2.810	2.703	2.553	2.642	2.607	2.934	2.934	2.788	2.652	-	2.721
2009	1.927	1.925	1.878	1.770	1.782	1.806	2.066	2.066	1.981	1.855	-	1.914
2010	2.342	2.339	2.265	2.159	2.141	2.188	2.485	2.485	2.362	2.229	-	2.280
2011	3.089	3.085	2.973	2.874	2.831	2.895	3.233	3.233	3.062	2.954	-	2.990
2012	3.219	3.212	3.111	2.956	2.947	2.988	3.372	3.372	3.213	3.047	-	3.098
2013	3.110	3.101	2.948	2.830	2.869	2.856	3.268	3.268	3.066	2.939	-	2.979
2014	2.946	2.938	2.784	2.614	2.663	2.647	3.111	3.111	2.920	2.746	-	2.788
2015	2.159	2.158	2.174	1.728	1.775	1.807	2.404	2.404	2.321	1.892	-	1.989
2016												
January	1.688	1.687	1.752	1.170	W	1.274	1.981	1.981	1.893	1.341	-	1.468
February	1.450	1.449	1.422	1.019	W	1.090	1.721	1.721	1.564	1.164	-	1.260
March	1.646	1.644	1.728	1.339	1.347	1.407	1.881	1.881	1.918	1.519	-	1.615
April	1.832	1.831	1.845	1.485	1.475	1.548	2.064	2.064	1.985	1.635	-	1.719
May	1.928	1.927	1.864	1.598	1.581	1.642	2.135	2.135	2.011	1.736	-	1.799
June	1.998	1.997	1.929	1.643	1.591	1.688	2.195	2.195	2.090	1.781	-	1.848
July	1.905	1.904	1.834	1.453	1.503	1.519	2.152	2.152	1.955	1.600	-	1.678
August	1.797	1.796	1.677	1.466	W	1.502	2.018	2.018	1.830	1.590	-	1.641
September	1.839	1.838	1.800	1.475	W	1.531	2.076	2.076	1.957	1.611	-	1.687
October	1.869	1.868	1.834	1.536	1.587	1.588	2.112	2.112	2.002	1.682	-	1.754
November	1.830	1.829	1.718	1.400	W	1.456	2.093	2.093	1.842	1.539	-	1.606
December	1.869	1.869	1.723	1.565	1.553	1.592	2.098	2.098	1.885	1.694	-	1.737
2016	1.808	1.807	1.762	1.433	1.462	1.490	2.047	2.047	1.913	1.579	-	1.655
2017												
January	1.952	1.951	1.868	1.604	1.625	1.649	2.195	2.194	2.020	1.744	-	1.807
February	1.954	1.953	1.960	1.609	1.665	1.670	2.225	2.225	2.151	1.774	-	1.861
March	2.000	1.999	2.023	1.615	W	1.685	2.275	2.274	2.180	1.782	-	1.873
April	2.060	2.059	2.052	1.724	1.740	1.779	2.303	2.303	2.217	1.876	-	1.952
May	2.050	2.050	2.071	1.679	W	1.745	2.309	2.309	2.231	1.828	-	1.914
June	1.992	1.991	1.984	1.563	W	1.634	2.260	2.260	2.101	1.711	-	1.793
July	1.942	1.941	1.917	1.620	1.637	1.670	2.194	2.193	2.082	1.759	-	1.825
August	2.021	2.021	2.009	1.691	W	1.745	2.276	2.276	2.189	1.833	-	1.905
September	2.215	2.213	2.143	1.798	W	1.857	2.473	2.473	2.286	1.949	-	2.021
October	2.096	2.095	2.032	1.690	W	1.747	2.352	2.352	2.186	1.829	-	1.907
November	2.190	2.188	2.073	1.778	W	1.828	2.438	2.438	2.235	1.910	-	1.980
December	2.092	2.091	1.962	1.691	1.763	1.737	2.345	2.345	2.101	1.815	-	1.879
2017	2.048	2.047	2.009	1.672	1.717	1.729	2.303	2.303	2.164	1.815	-	1.891
2018												
January	2.183	2.182	2.116	1.829	1.907	1.878	2.437	2.437	2.305	1.973	-	2.049
February	2.247	2.246	2.211	1.795	1.888	1.866	2.534	2.534	2.389	1.954	-	2.053
March	2.284	2.282	2.300	1.892	1.948	1.961	2.572	2.572	2.505	2.059	-	2.160
April	2.416	2.415	2.458	2.060	2.132	2.129	2.684	2.684	2.626	2.217	-	2.313
May	2.591	2.590	2.591	2.227	2.246	2.287	2.849	2.849	2.734	2.366	-	2.447
June	2.576	2.575	2.544	2.141	2.174	2.208	2.840	2.840	2.653	2.271	-	2.354
July	2.522	2.522	2.489	2.141	2.160	2.199	2.781	2.781	2.641	2.272	-	2.355
August	2.500	2.499	2.446	2.093	2.127	2.153	2.764	2.764	2.600	2.220	-	2.301
September	2.512	2.511	2.532	2.106	2.171	2.179	2.791	2.791	2.708	2.259	-	2.360
October	2.569	2.568	2.652	2.048	R2.167	2.152	2.873	2.873	2.799	2.233	-	2.361
November	2.375	2.373	2.373	1.682	1.813	1.799	2.713	2.713	2.462	1.857	-	1.997

See footnotes at end of table.

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type (cont.)
dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.966	0.958	0.861	0.677	0.558	0.777	0.831	0.824	0.771	0.599	0.547	0.687
1995	0.929	0.924	0.841	0.704	0.616	0.785	0.808	0.803	0.756	0.632	0.582	0.696
1996	1.002	0.998	0.910	0.791	0.709	0.859	0.882	0.878	0.828	0.720	0.682	0.774
1997	1.005	1.003	0.910	0.775	0.686	0.853	0.876	0.874	0.825	0.703	0.671	0.767
1998	0.847	0.845	0.741	W	0.516	0.680	0.717	0.714	0.657	0.529	0.489	0.593
1999	0.966	0.963	0.870	0.717	0.639	0.798	0.845	0.841	0.788	0.658	0.608	0.718
2000	1.297	1.291	1.189	1.064	0.972	1.125	1.164	1.160	1.092	0.993	0.957	1.039
2001	1.239	1.234	1.133	0.983	0.890	1.065	1.10	1.096	1.034	0.909	0.859	0.966
2002	1.124	1.119	1.046	0.930	0.832	0.991	0.987	0.985	0.944	0.851	0.785	0.891
2003	1.366	1.362	1.292	1.099	1.028	1.201	1.233	1.229	1.197	1.021	0.969	1.097
2004	1.655	1.652	1.574	1.399	1.348	1.489	1.510	1.507	1.474	1.313	1.257	1.378
2005	2.031	2.029	1.912	1.791	1.766	1.847	1.883	1.881	1.812	1.697	1.635	1.733
2006	2.369	2.367	2.239	2.149	2.004	2.183	2.202	2.20	2.125	2.020	1.906	2.055
2007	2.601	2.599	2.468	2.367	2.346	2.415	2.404	2.402	2.322	2.208	2.192	2.250
2008	3.003	3.001	2.845	2.70	2.826	2.772	2.845	2.843	2.728	2.569	2.659	2.629
2009	2.177	2.174	2.067	1.968	1.899	2.011	1.971	1.969	1.913	1.793	1.791	1.834
2010	2.587	2.584	2.446	2.343	2.247	2.380	2.386	2.383	2.299	2.182	2.150	2.215
2011	3.334	3.331	3.145	3.067	2.940	3.090	3.132	3.128	3.003	2.898	2.837	2.921
2012	3.478	3.473	3.288	3.201	3.175	3.225	3.265	3.259	3.143	2.986	2.961	3.020
2013	3.371	3.365	3.132	3.103	3.071	3.110	3.160	3.152	2.982	2.866	2.882	2.892
2014	3.206	3.202	2.949	2.867	2.642	2.886	3.005	2.996	2.818	2.648	2.661	2.682
2015	2.516	2.516	2.357	2.066	2.145	2.144	2.242	2.240	2.214	1.777	1.799	1.860
2016												
January	2.126	2.125	W	1.524	W	1.638	1.792	1.790	1.796	1.221	1.307	1.331
February	1.878	1.878	W	1.333	W	1.408	1.554	1.553	1.471	1.066	1.074	1.143
March	2.029	2.028	1.960	1.668	1.712	1.749	1.737	1.736	1.783	1.388	1.377	1.463
April	2.215	2.215	2.064	1.804	1.779	1.873	1.921	1.921	1.895	1.533	1.514	1.601
May	2.293	2.293	2.091	1.915	1.855	1.960	2.012	2.011	1.917	1.645	1.602	1.694
June	2.351	2.351	2.160	1.957	1.992	2.011	2.079	2.078	1.983	1.690	1.619	1.740
July	2.304	2.304	2.045	1.788	1.824	1.856	1.999	1.998	1.884	1.504	1.524	1.574
August	2.172	2.172	W	1.772	W	1.807	1.885	1.885	1.732	1.513	1.479	1.553
September	2.228	2.228	W	1.797	W	1.860	1.931	1.931	1.855	1.523	1.537	1.585
October	2.275	2.275	2.070	1.857	1.892	1.914	1.963	1.962	1.890	1.584	1.612	1.641
November	2.257	2.257	W	1.723	W	1.780	1.929	1.928	1.770	1.448	1.505	1.509
December	2.263	2.263	1.968	1.864	1.796	1.890	1.959	1.958	1.781	1.609	1.581	1.640
2016	2.201	2.201	1.986	1.755	1.710	1.816	1.900	1.899	1.814	1.481	1.484	1.543
2017												
January	2.359	2.359	2.104	1.908	1.833	1.957	2.044	2.043	1.924	1.648	1.658	1.699
February	2.391	2.390	2.210	1.922	NA	2.000	2.054	2.053	2.019	1.655	1.697	1.723
March	2.439	2.439	W	1.928	W	2.016	2.101	2.100	2.077	1.661	1.698	1.739
April	2.468	2.468	2.286	2.031	1.992	2.097	2.154	2.153	2.108	1.769	1.772	1.831
May	2.478	2.478	W	1.985	W	2.068	2.149	2.148	2.127	1.726	1.728	1.799
June	2.428	2.427	W	1.876	W	1.959	2.092	2.091	2.034	1.611	1.668	1.688
July	2.357	2.356	2.155	1.930	1.933	1.988	2.038	2.037	1.974	1.668	1.674	1.723
August	2.440	2.440	W	1.998	W	2.065	2.117	2.117	2.068	1.737	1.779	1.798
September	2.640	2.640	W	2.116	W	2.184	2.310	2.309	2.198	1.846	1.895	1.911
October	2.517	2.517	W	1.980	W	2.052	2.191	2.191	2.089	1.734	1.750	1.797
November	2.598	2.598	W	2.048	W	2.115	2.280	2.279	2.129	1.818	1.842	1.874
December	2.505	2.505	2.191	1.958	1.866	2.013	2.184	2.183	2.016	1.730	1.782	1.783
2017	2.468	2.468	2.243	1.974	1.960	2.043	2.143	2.142	2.064	1.717	1.747	1.781
2018												
January	2.602	2.602	2.368	2.106	2.170	2.175	2.275	2.274	2.175	1.869	1.936	1.926
February	2.703	2.703	2.458	2.088	2.146	2.185	2.348	2.347	2.269	1.838	1.915	1.917
March	2.738	2.738	2.566	2.185	2.224	2.283	2.386	2.385	2.361	1.935	1.975	2.013
April	2.855	2.855	2.695	2.350	2.393	2.442	2.511	2.510	2.513	2.102	2.167	2.180
May	3.008	3.008	2.819	2.500	2.549	2.582	2.683	2.682	2.643	2.267	2.275	2.335
June	3.000	3.000	2.756	2.412	2.404	2.500	2.669	2.668	2.593	2.181	2.198	2.254
July	2.942	2.942	2.720	2.426	2.412	2.501	2.615	2.615	2.542	2.183	2.184	2.247
August	2.925	2.925	2.685	2.362	2.329	2.445	2.594	2.593	2.501	2.133	2.149	2.200
September	2.953	2.953	2.779	2.393	2.411	2.494	2.611	2.610	2.589	2.148	2.204	2.230
October	3.051	3.051	2.882	2.352	R2.445	2.491	2.673	2.672	2.705	2.093	R2.213	2.206
November	2.881	2.881	2.573	1.980	2.033	2.133	2.489	2.487	2.419	1.726	1.840	1.853

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	10.7	11.1	26.1	20.5	8.0	54.6	3.3	3.4	7.9	3.3	W	11.3
1997	13.4	13.8	28.0	21.7	7.6	57.3	3.6	3.7	7.9	3.1	W	11.0
1998	14.3	14.5	28.6	23.0	8.3	59.9	3.7	3.8	7.4	3.1	W	10.5
1999	14.5	14.8	29.8	26.1	9.6	65.5	3.6	3.7	7.0	3.1	NA	10.2
2000	15.5	15.9	32.1	29.1	8.5	69.6	3.3	3.4	6.2	2.6	-	8.8
2001	16.3	16.7	32.7	30.0	9.0	71.7	3.3	3.3	5.7	2.2	-	7.9
2002	16.9	17.2	33.1	30.4	8.2	71.7	3.3	3.3	5.6	2.1	-	7.6
2003	17.7	18.0	30.9	35.1	7.6	73.6	3.1	3.1	4.1	2.0	-	6.1
2004	16.2	16.5	29.5	39.7	6.1	75.3	2.6	2.6	3.3	2.0	-	5.2
2005	17.1	17.4	27.5	43.5	9.5	80.4	2.6	2.6	2.5	1.8	-	4.2
2006	17.7	18.0	26.8	45.7	3.4	75.9	2.5	2.5	1.9	1.5	-	3.4
2007	17.4	17.6	26.7	45.4	3.8	75.9	2.4	2.4	1.6	1.3	-	2.9
2008	16.6	16.9	25.4	48.1	4.2	77.7	2.0	2.0	1.1	1.1	-	2.2
2009	14.0	14.3	25.8	49.8	3.4	79.0	1.7	1.7	1.0	1.1	-	2.1
2010	11.7	11.9	23.1	54.5	4.2	81.9	1.3	1.3	0.7	1.2	-	1.9
2011	10.8	11.1	19.5	57.6	4.2	81.3	1.2	1.2	0.5	1.1	-	1.6
2012	9.2	9.5	17.4	60.3	4.0	81.7	1.0	1.0	0.5	1.0	-	1.5
2013	7.6	7.9	16.5	59.3	3.5	79.3	0.9	0.9	0.4	1.0	-	1.4
2014	5.5	5.7	14.6	62.0	2.1	78.8	0.7	0.7	0.3	0.9	-	1.2
2015	6.8	6.8	14.1	63.5	2.8	80.3	0.9	0.9	0.2	0.8	-	1.1
2016												
January	6.4	6.4	W	61.4	W	77.6	0.9	0.9	0.2	0.7	-	1.0
February	6.5	6.5	W	63.5	W	80.2	0.9	0.9	0.2	0.7	-	1.0
March	6.5	6.5	14.0	62.9	3.1	80.1	0.9	0.9	0.2	0.7	-	1.0
April	6.7	6.7	14.2	64.7	2.5	81.4	0.9	0.9	0.2	0.8	-	1.0
May	6.7	6.8	14.1	64.9	3.7	82.7	1.0	1.0	0.2	0.8	-	1.0
June	7.0	7.0	14.0	67.0	4.0	85.0	1.0	1.0	0.2	0.8	-	1.1
July	6.8	6.8	13.8	65.2	3.7	82.8	1.0	1.0	0.2	0.8	-	1.1
August	6.8	6.8	W	66.1	W	83.2	1.0	1.0	0.2	0.8	-	1.1
September	6.9	6.9	W	65.4	W	82.5	1.0	1.0	0.2	0.8	-	1.0
October	6.8	6.8	13.7	65.2	2.7	81.7	1.0	1.0	0.2	0.7	-	0.9
November	6.6	6.6	W	64.4	W	81.2	0.9	0.9	0.2	0.7	-	0.9
December	6.7	6.7	13.7	64.6	2.6	80.8	0.9	0.9	0.2	0.7	-	0.9
2016	6.7	6.7	13.9	64.6	3.1	81.6	0.9	0.9	0.2	0.8	-	1.0
2017												
January	6.4	6.5	12.7	60.8	2.4	75.9	0.9	0.9	0.2	0.6	-	0.8
February	6.5	6.5	13.2	62.8	2.8	78.8	0.9	0.9	0.2	0.6	-	0.8
March	6.7	6.7	W	65.3	W	81.6	0.9	0.9	0.2	0.7	-	0.8
April	6.6	6.6	13.5	65.2	2.8	81.5	0.9	0.9	0.2	0.7	-	0.9
May	6.8	6.8	W	65.6	W	81.3	0.9	0.9	0.2	0.7	-	0.9
June	7.0	7.1	W	67.0	W	83.0	1.0	1.0	0.2	0.7	-	0.9
July	6.8	6.8	13.3	65.1	2.5	80.9	1.0	1.0	0.2	0.7	-	0.9
August	6.9	6.9	W	66.4	W	82.5	1.0	1.0	0.2	0.7	-	0.9
September	6.9	6.9	W	64.4	W	80.1	0.9	0.9	0.2	0.6	-	0.8
October	6.9	6.9	W	66.4	W	82.8	0.9	0.9	0.2	0.6	-	0.8
November	6.7	6.7	W	65.5	W	82.1	0.9	0.9	0.2	0.6	-	0.7
December	6.6	6.6	13.2	65.5	2.9	81.6	0.9	0.9	0.2	0.6	-	0.7
2017	6.7	6.8	13.4	65.0	2.6	81.0	0.9	0.9	0.2	0.6	-	0.8
2018												
January	6.3	6.3	12.5	62.1	2.7	77.3	0.8	0.8	0.2	0.5	-	0.7
February	6.5	6.5	13.3	64.9	3.3	81.4	0.9	0.9	0.2	0.5	-	0.7
March	6.8	6.8	13.7	65.8	3.4	82.8	0.9	0.9	0.2	0.5	-	0.7
April	6.8	6.8	13.9	65.9	2.8	82.6	0.9	0.9	0.2	0.5	-	0.7
May	6.9	7.0	13.8	67.6	2.8	84.1	0.9	0.9	0.2	0.6	-	0.7
June	7.2	7.2	13.8	67.8	3.0	84.5	0.9	0.9	0.2	0.6	-	0.7
July	7.1	7.1	13.6	65.6	3.6	82.8	0.9	0.9	0.2	0.6	-	0.7
August	7.2	7.2	14.0	67.5	3.2	84.7	1.0	1.0	0.2	0.6	-	0.7
September	7.0	7.0	13.6	65.3	2.7	81.7	0.9	0.9	0.1	0.5	-	0.7
October	7.1	7.1	13.5	66.1	2.3	81.9	0.9	0.9	0.1	0.5	-	0.6
November	6.9	6.9	13.2	65.5	2.3	81.0	0.9	0.9	0.1	0.5	-	0.6

See footnotes at end of table.

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type (cont.)

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.2	0.2	1.2	0.5	0.2	1.9	1.0	1.0	4.0	2.4	0.8	7.2
1995	3.1	3.2	12.0	W	W	18.9	14.0	14.4	40.1	25.9	6.6	72.6
1996	3.1	3.2	11.7	5.3	1.5	18.6	17.0	17.6	45.7	29.2	9.6	84.5
1997	3.4	3.5	11.5	5.3	1.5	18.2	20.3	21.0	47.4	30.1	9.1	86.6
1998	3.8	3.9	12.2	W	1.6	19.8	21.8	22.2	48.2	32.0	9.9	90.1
1999	3.4	3.5	11.4	6.3	1.9	19.6	21.5	22.0	48.2	35.6	11.5	95.2
2000	3.0	3.1	9.6	5.4	1.9	16.8	21.9	22.4	47.9	37.0	10.4	95.2
2001	3.2	3.2	9.2	5.4	1.1	15.7	22.7	23.3	47.7	37.6	10.0	95.3
2002	3.4	3.5	9.5	5.6	1.1	16.3	23.6	24.1	48.2	38.0	9.3	95.6
2003	3.5	3.6	8.5	5.9	1.0	15.3	24.2	24.7	43.5	43.0	8.6	95.1
2004	3.1	3.1	7.4	6.0	0.6	14.1	21.9	22.3	40.2	47.7	6.7	94.6
2005	2.8	2.8	6.5	6.0	1.2	13.6	22.6	22.9	36.4	51.2	10.6	98.3
2006	2.7	2.7	5.9	5.9	0.7	12.5	22.9	23.2	34.6	53.1	4.1	91.8
2007	2.6	2.7	5.8	5.9	0.4	12.1	22.4	22.7	34.0	52.6	4.3	90.9
2008	2.4	2.4	5.0	5.4	0.4	10.8	21.0	21.3	31.5	54.6	4.6	90.8
2009	2.3	2.3	5.3	6.1	0.3	11.8	17.9	18.3	32.1	57.1	3.7	92.9
2010	1.9	1.9	4.9	7.4	0.4	12.7	14.9	15.2	28.8	63.1	4.7	96.5
2011	1.7	1.7	3.9	7.7	0.2	11.8	13.7	13.9	23.9	66.4	4.4	94.7
2012	1.5	1.5	3.5	8.4	0.3	12.1	11.7	12.0	21.4	69.7	4.3	95.4
2013	1.4	1.4	3.5	8.7	0.2	12.4	9.9	10.2	20.5	69.0	3.7	93.1
2014	1.2	1.2	3.5	9.4	0.2	13.0	7.5	7.7	18.4	72.3	2.3	93.0
2015	1.5	1.5	3.8	10.4	0.2	14.4	9.2	9.2	18.1	74.7	3.0	95.8
2016												
January	1.5	1.5	W	10.1	W	14.2	8.7	8.7	17.3	72.2	3.2	92.8
February	1.6	1.6	W	10.9	W	15.6	9.0	9.0	18.4	75.1	3.3	96.8
March	1.6	1.6	4.1	10.7	0.3	15.1	9.0	9.0	18.4	74.3	3.4	96.2
April	1.6	1.6	4.1	11.0	0.4	15.5	9.2	9.2	18.6	76.5	2.9	98.0
May	1.6	1.6	4.2	11.2	0.3	15.7	9.3	9.3	18.5	77.0	4.0	99.5
June	1.6	1.6	4.1	11.5	0.3	15.9	9.6	9.7	18.4	79.3	4.3	102.0
July	1.6	1.6	4.1	11.4	0.3	15.8	9.3	9.4	18.2	77.5	4.0	99.7
August	1.6	1.6	W	11.6	W	16.2	9.4	9.5	18.7	78.6	3.1	100.4
September	1.7	1.7	W	11.3	W	15.7	9.5	9.5	18.3	77.5	3.3	99.2
October	1.6	1.6	4.1	11.1	0.2	15.5	9.3	9.3	18.0	77.1	3.0	98.1
November	1.5	1.5	W	11.1	W	15.4	9.1	9.1	17.7	76.2	3.6	97.5
December	1.5	1.5	4.1	11.0	0.3	15.4	9.2	9.2	18.0	76.2	2.9	97.2
2016	1.6	1.6	4.1	11.1	0.3	15.5	9.2	9.2	18.2	76.5	3.4	98.1
2017												
January	1.4	1.4	3.8	10.1	0.4	14.4	8.8	8.8	16.6	71.5	2.9	91.0
February	1.5	1.5	4.0	10.6	0.3	14.9	8.9	8.9	17.3	74.1	3.1	94.5
March	1.5	1.5	W	11.1	W	15.5	9.1	9.2	18.0	77.1	2.8	98.0
April	1.5	1.5	4.1	11.2	0.4	15.7	9.0	9.1	17.9	77.0	3.2	98.1
May	1.6	1.6	W	11.7	W	16.1	9.3	9.3	17.9	78.0	2.4	98.3
June	1.6	1.6	W	11.8	W	16.2	9.6	9.6	17.9	79.5	2.7	100.1
July	1.6	1.6	4.1	11.5	0.3	16.0	9.3	9.4	17.7	77.3	2.8	97.7
August	1.6	1.6	W	11.7	W	16.2	9.4	9.4	18.0	78.8	2.7	99.6
September	1.5	1.5	W	11.2	W	15.5	9.3	9.3	17.6	76.2	2.6	96.4
October	1.5	1.5	W	11.5	W	16.1	9.4	9.4	17.6	78.5	3.7	99.7
November	1.5	1.5	W	11.3	W	15.5	9.0	9.0	17.5	77.3	3.6	98.4
December	1.5	1.5	4.0	11.2	0.6	15.9	8.9	9.0	17.4	77.3	3.5	98.3
2017	1.5	1.5	4.1	11.2	0.4	15.7	9.2	9.2	17.6	76.9	3.0	97.5
2018												
January	1.3	1.3	3.8	10.4	0.3	14.5	8.4	8.5	16.4	73.1	3.1	92.5
February	1.4	1.4	3.9	10.8	0.4	15.2	8.7	8.7	17.4	76.3	3.6	97.3
March	1.5	1.5	3.9	11.2	0.4	15.5	9.2	9.2	17.8	77.5	3.8	99.0
April	1.4	1.4	4.1	11.1	0.4	15.7	9.1	9.1	18.2	77.6	3.2	99.0
May	1.5	1.5	4.0	11.5	0.3	15.8	9.3	9.4	17.9	79.6	3.1	100.6
June	1.5	1.5	4.0	11.4	0.4	15.7	9.6	9.7	17.9	79.7	3.3	100.9
July	1.5	1.5	4.0	11.1	0.4	15.5	9.5	9.5	17.8	77.2	4.0	99.0
August	1.6	1.6	4.1	11.4	0.4	15.9	9.7	9.7	18.2	79.4	3.6	101.3
September	1.5	1.5	4.0	11.1	0.4	15.6	9.4	9.5	17.8	76.9	3.1	97.9
October	1.5	1.5	3.9	11.0	R0.5	R15.4	9.5	9.5	17.6	77.5	2.7	R97.9
November	1.5	1.5	3.9	11.1	0.3	15.3	9.2	9.3	17.3	77.1	2.6	97.0

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 16. U.S. refiner residual fuel oil prices

dollars per gallon excluding taxes

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Average	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1994	0.401	0.345	0.330	0.287	0.352	0.317
1995	0.436	0.383	0.377	0.338	0.392	0.363
1996	0.526	0.456	0.433	0.389	0.455	0.420
1997	0.488	0.415	0.403	0.366	0.423	0.387
1998	0.354	0.299	0.287	0.269	0.305	0.280
1999	0.405	0.382	0.362	0.329	0.374	0.354
2000	0.708	0.627	0.566	0.512	0.602	0.566
2001	0.642	0.523	0.492	0.428	0.531	0.476
2002	0.640	0.546	0.544	0.508	0.569	0.530
2003	0.804	0.728	0.651	0.588	0.698	0.661
2004	0.835	0.764	0.692	0.601	0.739	0.681
2005	1.168	1.115	0.974	0.842	1.048	0.971
2006	1.342	1.202	1.173	1.085	1.218	1.136
2007	1.436	1.406	1.350	1.314	1.374	1.350
2008	2.144	1.918	1.889	1.843	1.964	1.866
2009	1.413	1.337	1.306	1.344	1.341	1.342
2010	1.920	1.756	1.619	1.679	1.713	1.697
2011	2.736	2.389	2.257	2.316	2.401	2.336
2012	3.025	2.548	2.433	2.429	2.592	2.457
2013	2.883	2.363	2.353	2.249	2.482	2.278
2014	2.694	2.153	2.221	1.996	2.325	2.044
2015	1.529	0.971	1.227	0.999	1.285	0.996
2016						
January	W	0.477	0.641	0.502	0.710	0.499
February	NA	0.475	0.606	0.508	0.632	0.504
March	NA	0.582	0.672	0.555	0.693	0.558
April	W	0.633	0.734	0.614	0.782	0.616
May	W	0.729	0.868	0.722	0.922	0.723
June	W	0.850	0.911	0.823	0.983	0.825
July	W	0.876	0.948	0.834	1.030	0.835
August	W	0.842	0.924	0.811	0.990	0.815
September	W	0.846	1.059	0.855	1.076	0.854
October	W	0.961	1.091	0.935	1.115	0.938
November	NA	0.920	1.040	0.907	1.106	0.908
December	W	1.024	1.206	1.031	1.230	1.030
2016	1.138	0.736	0.897	0.746	0.945	0.745
2017						
January	W	1.099	1.249	1.121	1.309	1.119
February	W	1.174	1.243	1.115	1.291	1.121
March	W	1.103	1.186	1.075	1.239	1.077
April	W	1.038	1.147	1.039	1.201	1.039
May	W	0.986	1.153	1.047	1.213	1.043
June	W	0.937	1.129	0.995	1.195	0.991
July	W	1.026	1.154	1.040	1.211	1.039
August	W	1.042	1.142	1.081	1.204	1.079
September	W	1.150	1.295	1.137	1.314	1.138
October	W	1.153	1.249	1.178	1.304	1.176
November	W	1.302	1.384	1.277	1.413	1.279
December	W	1.254	1.447	1.249	1.484	1.249
2017	W	1.112	1.237	1.117	1.287	1.116
2018						
January	W	1.301	1.476	1.311	1.507	1.310
February	W	1.221	1.415	1.325	1.490	1.319
March	W	1.227	1.386	1.306	1.452	1.302
April	W	1.311	1.438	1.349	1.504	1.348
May	W	1.462	1.615	1.501	1.667	1.500
June	W	1.487	1.643	1.558	1.731	1.553
July	W	1.543	1.709	1.583	1.767	1.581
August	W	1.499	1.680	1.552	1.764	1.549
September	W	1.520	1.696	1.561	1.761	1.560
October	W	1.620	1.816	1.703	R1.875	1.700
November	W	1.360	1.731	1.566	1.827	1.560

NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 17. U.S. refiner residual fuel oil volumes

million gallons per day

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1994	4.2	6.6	9.3	6.2	13.5	12.8
1995	2.9	7.7	8.7	5.9	11.6	13.6
1996	3.1	6.3	9.8	7.4	12.9	13.8
1997	3.2	4.8	10.3	6.7	13.4	11.5
1998	3.9	5.7	10.5	9.6	14.4	15.4
1999	3.9	5.3	10.0	6.2	13.9	11.5
2000	3.3	4.9	9.8	5.6	13.1	10.5
2001	3.8	5.2	11.0	5.1	14.8	10.3
2002	2.7	5.1	7.8	3.7	10.4	8.8
2003	3.3	3.5	7.4	3.2	10.7	6.7
2004	3.4	2.9	6.8	3.0	10.2	5.9
2005	4.0	2.2	6.4	2.5	10.4	4.7
2006	2.8	2.8	7.6	3.6	10.4	6.5
2007	3.1	3.2	7.8	5.0	10.9	8.2
2008	2.5	2.9	5.9	6.6	8.4	9.5
2009	2.8	2.9	5.7	6.9	8.5	9.8
2010	2.4	2.6	5.2	8.1	7.6	10.7
2011	1.9	3.4	4.5	8.8	6.4	12.2
2012	1.5	2.1	4.0	6.8	5.5	8.8
2013	1.3	2.3	3.9	6.7	5.2	9.0
2014	1.0	2.4	3.6	5.6	4.6	8.0
2015	0.8	0.9	3.3	7.1	4.0	8.1
2016						
January	W	1.0	W	8.3	4.1	9.3
February	NA	1.2	3.4	8.2	3.9	9.3
March	NA	0.7	3.3	8.5	4.1	9.2
April	W	1.2	W	7.8	4.2	9.0
May	W	1.3	W	8.6	3.9	9.9
June	W	0.6	W	8.3	3.8	8.9
July	W	0.3	W	7.4	4.3	7.6
August	W	0.9	W	7.2	4.4	8.1
September	W	0.5	W	7.4	4.7	7.9
October	W	1.0	W	6.1	4.4	7.1
November	NA	0.7	3.1	6.5	4.0	7.2
December	W	0.6	W	7.0	4.2	7.6
2016	0.8	0.8	3.3	7.6	4.2	8.4
2017						
January	W	0.5	W	6.2	3.9	6.6
February	W	0.6	W	5.6	4.4	6.2
March	W	0.4	W	5.5	4.6	5.9
April	W	0.3	W	5.9	3.8	6.2
May	W	0.3	W	5.5	3.8	5.9
June	W	0.5	W	7.6	3.7	8.2
July	W	0.6	W	5.7	3.4	6.3
August	W	0.4	W	8.1	3.7	8.4
September	W	0.7	W	7.2	4.1	7.8
October	W	0.6	W	7.8	3.5	8.4
November	W	0.6	W	6.6	4.3	7.2
December	W	0.3	W	7.7	4.6	8.1
2017	W	0.5	W	6.6	4.0	7.1
2018						
January	W	0.4	W	8.5	3.7	8.9
February	W	0.4	W	7.2	3.6	7.7
March	W	0.4	W	7.0	3.6	7.4
April	W	0.3	W	6.7	3.5	7.0
May	W	0.4	W	8.0	3.2	8.4
June	W	0.6	W	7.4	3.0	8.1
July	W	0.5	W	6.8	3.5	7.3
August	W	0.5	W	7.1	3.2	7.6
September	W	0.2	W	7.6	3.6	7.8
October	W	0.2	W	7.0	R3.8	7.3
November	W	0.2	W	6.5	3.4	6.7

NA = Not available.

R = Revised data.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

February 2019

Figure 7. U.S. Refiner residual fuel oil prices



Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Crude Oil Prices

Table 18. Domestic crude oil first purchase prices

dollars per barrel

Year month	U.S. Average		PAD District 1					PAD District 2					
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1997	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
1998	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
1999	15.56	16.38	17.36	18.65	18.49	16.46	17.27	17.37	17.31	17.08	16.68	16.63	17.21
2000	26.72	27.48	28.12	28.78	28.80	27.12	28.49	28.14	27.91	28.16	26.47	28.12	27.97
2001	21.84	22.77	23.98	24.19	24.82	22.35	23.95	23.76	23.46	23.56	22.53	22.69	23.67
2002	22.51	23.33	23.94	24.28	24.86	22.55	24.05	23.84	23.43	23.61	22.49	23.68	23.62
2003	27.56	28.47	29.12	28.91	29.60	28.06	29.24	29.10	28.38	28.68	27.21	29.18	28.63
2004	36.77	37.63	39.08	39.40	39.48	38.38	39.40	38.74	38.18	39.18	36.82	39.14	38.42
2005	50.28	51.02	53.84	54.64	54.57	53.75	53.33	51.20	51.02	53.41	49.45	53.67	52.38
2006	59.69	60.22	63.99	63.51	64.02	63.07	60.48	59.70	59.31	60.74	58.33	60.89	57.77
2007	66.52	67.04	69.00	69.46	70.00	67.27	67.16	65.66	65.47	66.85	63.60	66.87	62.78
2008	94.04	94.72	96.60	W	96.76	95.07	92.51	93.48	91.92	92.08	90.87	95.75	87.99
2009	56.35	56.65	56.56	W	56.96	55.77	55.00	55.47	55.65	54.41	55.24	56.39	50.93
2010	74.71	75.04	71.74	W	69.80	70.74	72.45	73.18	72.82	72.43	70.63	74.91	69.65
2011	95.73	95.35	90.77	W	87.16	86.56	89.38	88.73	88.15	88.52	86.00	92.40	85.48
2012	94.52	94.11	91.19	W	88.41	87.16	86.29	88.74	88.62	87.85	87.02	90.91	84.95
2013	95.99	96.00	92.45	W	89.84	91.26	91.64	92.94	93.04	91.85	91.17	96.50	87.44
2014	87.39	87.45	82.20	W	80.07	82.46	85.01	87.66	87.88	86.80	86.61	89.46	82.82
2015	44.39	44.58	37.65	W	38.98	33.72	42.44	43.97	44.51	43.16	45.38	45.38	40.10
2016	38.29	38.64	34.88	W	38.50	31.11	37.62	38.85	38.97	37.87	39.95	43.07	36.22
2017													
January	48.19	48.47	46.27	W	48.14	43.95	47.16	48.20	48.11	47.67	49.16	53.17	46.07
February	49.41	49.70	46.67	W	48.74	43.99	48.89	49.35	48.82	48.09	50.12	53.79	46.62
March	46.39	46.55	43.98	W	44.89	42.42	45.17	45.90	45.69	44.33	46.26	50.19	42.85
April	47.23	47.47	45.42	W	46.33	44.62	46.52	47.08	47.05	46.23	47.55	51.67	44.63
May	45.19	45.42	42.58	W	43.72	41.56	44.58	44.55	44.46	43.69	45.09	49.23	42.24
June	42.17	42.42	39.34	W	40.60	38.25	41.26	41.16	41.11	40.38	39.87	45.79	38.87
July	43.42	43.57	40.98	W	41.63	39.75	42.75	42.61	42.51	41.81	43.63	46.97	40.40
August	44.96	45.15	41.89	W	43.20	39.95	44.68	44.15	44.05	43.08	44.77	48.72	41.48
September	47.17	47.30	43.40	W	43.46	41.94	46.33	45.61	45.46	44.60	46.22	50.54	43.07
October	49.12	49.20	46.24	W	47.09	44.52	49.29	48.53	47.51	46.79	48.02	52.26	45.39
November	55.19	55.26	51.11	W	51.76	49.02	54.94	52.85	52.64	52.05	53.32	57.31	50.32
December	56.98	57.09	52.73	W	52.83	50.63	55.94	54.24	54.13	53.38	54.82	58.52	51.77
2017	48.05	48.23	44.96	W	45.93	43.34	47.39	47.02	46.76	45.95	47.33	51.51	44.33
2018													
January	62.25	62.38	57.79	W	57.76	55.46	61.44	59.93	59.72	59.00	60.42	64.33	57.40
February	61.20	61.35	56.69	W	56.82	54.52	59.67	58.47	58.26	57.64	58.91	62.81	56.04
March	60.68	60.82	57.27	W	57.73	55.69	59.64	59.18	58.89	58.35	59.75	63.48	56.78
April	63.50	63.58	60.40	W	61.22	58.72	63.04	62.62	62.27	61.75	62.83	67.51	60.07
May	66.16	66.14	64.27	W	65.17	62.09	66.37	66.19	65.96	65.35	66.52	70.94	63.82
June	62.80	62.70	62.48	W	62.30	60.46	63.75	63.75	63.46	62.73	63.99	68.40	61.12
July	67.00	66.96	66.27	W	65.40	63.59	68.10	67.27	67.03	66.47	67.66	71.55	64.67
August	62.64	62.49	61.95	W	62.18	60.36	65.83	64.25	64.03	63.74	64.66	68.89	61.78
September	63.55	63.21	64.38	W	64.32	62.46	67.31	66.57	66.24	65.75	66.85	71.17	63.95
October	R65.18	R64.92	65.27	W	64.94	63.33	67.58	67.11	66.84	66.29	67.52	70.37	64.63
November	55.65	55.57	52.11	W	51.17	50.13	52.46	53.30	53.14	52.46	54.58	56.28	50.76

See footnotes at end of table.

Table 18. Domestic crude oil first purchase prices (cont.)

dollars per barrel

Year month	PAD District 2 (cont.)					PAD District 3					Federal	
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	Offshore Gulf
1997	17.63	17.77	19.05	17.80	18.69	18.58	17.58	19.22	16.94	19.02	18.66	18.63
1998	11.39	12.20	12.73	12.29	12.19	12.08	11.10	12.59	10.33	12.36	12.28	12.03
1999	16.70	16.41	17.77	16.86	17.07	16.71	15.89	17.73	15.42	17.46	17.29	16.66
2000	28.19	27.49	29.08	28.18	28.22	27.63	26.98	29.03	26.23	28.80	28.60	27.59
2001	23.55	22.55	24.68	23.89	23.43	23.18	21.82	24.51	21.13	23.72	23.41	23.29
2002	24.15	22.61	24.49	23.96	23.74	23.39	21.50	24.84	22.11	24.11	23.77	23.49
2003	29.27	28.18	29.72	28.94	29.08	28.97	26.57	30.52	27.46	29.52	29.13	28.72
2004	39.30	38.27	39.95	38.40	38.41	38.79	36.67	40.48	37.03	39.25	38.79	37.07
2005	52.38	53.47	54.46	50.65	51.96	53.26	50.86	54.05	49.58	52.84	52.61	49.78
2006	56.69	62.89	63.11	51.85	61.49	63.16	58.67	64.23	59.35	61.74	61.31	60.80
2007	65.30	68.09	69.31	62.78	68.37	71.10	64.25	71.63	68.65	68.94	68.30	67.40
2008	88.68	96.43	96.15	87.42	97.64	96.71	90.91	100.89	94.60	96.23	96.85	99.10
2009	53.75	56.35	56.56	50.75	57.77	55.25	53.07	59.18	58.29	57.08	57.40	58.22
2010	70.26	73.68	75.18	69.04	76.57	75.54	71.01	78.25	76.41	75.64	76.23	77.06
2011	88.74	90.79	90.94	87.08	96.79	105.99	87.61	106.20	100.43	90.93	91.99	105.65
2012	84.06	92.87	89.97	83.10	96.11	104.81	89.39	105.97	100.80	88.01	92.50	105.95
2013	90.22	94.89	94.25	89.28	97.53	103.10	92.98	105.18	100.44	92.13	95.80	103.29
2014	82.89	83.95	89.25	82.78	88.43	89.73	85.23	94.13	90.81	83.44	87.02	93.33
2015	41.42	38.40	44.96	42.73	45.61	44.55	43.04	48.43	46.81	44.40	44.95	47.67
2016	36.51	37.04	39.51	36.39	39.19	38.53	37.21	41.08	39.18	39.18	39.35	38.63
2017												
January	45.87	47.38	49.24	45.92	48.92	47.90	46.32	50.52	47.70	49.44	49.41	47.67
February	48.26	48.26	50.23	47.90	50.04	49.21	47.10	51.43	48.68	50.46	50.45	48.97
March	44.40	44.39	46.74	43.97	47.08	45.94	43.37	48.11	45.44	46.72	46.77	47.91
April	45.62	45.88	48.24	45.38	47.82	47.50	44.73	49.68	46.99	47.29	47.93	47.63
May	44.07	43.48	45.74	42.83	45.77	45.47	42.16	47.54	44.96	44.56	45.37	47.09
June	40.62	40.91	42.60	39.54	42.89	42.02	38.88	44.27	41.86	41.75	42.49	44.33
July	42.09	42.34	44.13	41.42	43.89	43.86	40.16	45.81	43.35	43.33	43.87	44.05
August	44.25	43.84	45.79	43.04	45.27	45.56	42.02	47.56	45.33	44.79	45.37	45.05
September	46.00	45.63	47.26	45.03	47.47	47.74	43.47	49.36	47.29	46.76	47.52	47.51
October	49.93	47.54	48.73	46.67	49.02	50.98	45.09	52.35	50.57	47.75	49.29	48.45
November	55.50	52.43	54.87	52.18	55.28	56.94	50.55	58.57	56.65	53.95	55.42	55.09
December	56.44	53.80	55.75	53.43	57.39	58.81	51.81	60.10	58.40	55.77	57.27	58.22
2017	47.04	46.14	48.41	45.60	48.50	48.34	44.60	50.37	48.06	47.90	48.57	48.46
2018												
January	61.75	59.25	61.50	59.18	62.56	63.85	57.22	65.57	63.42	61.57	62.87	61.88
February	59.65	58.01	60.22	57.96	61.89	62.04	55.97	63.51	61.25	60.85	61.78	62.60
March	58.96	58.65	61.01	58.64	61.07	60.42	56.82	62.69	60.29	60.51	61.22	60.85
April	62.48	62.01	64.37	61.65	63.53	63.69	59.74	65.82	63.41	62.86	63.84	62.81
May	65.72	65.45	67.83	65.31	65.64	67.75	62.52	69.99	67.39	63.02	65.38	67.34
June	63.01	62.82	65.35	62.37	61.79	66.92	59.79	68.65	66.31	55.59	60.18	68.51
July	67.85	66.20	69.08	66.09	66.33	73.20	64.46	74.52	72.38	60.02	65.14	71.30
August	65.31	62.95	67.58	64.32	61.08	66.46	61.44	68.81	66.25	54.43	59.40	67.61
September	66.76	65.10	68.91	64.57	61.33	70.34	63.86	71.80	69.46	52.97	59.56	69.46
October	67.14	65.85	68.92	64.92	R63.33	72.92	65.67	74.03	72.26	54.87	R61.44	71.93
November	51.24	52.20	54.95	49.68	56.19	59.77	51.81	60.82	59.35	48.55	52.93	67.76

See footnotes at end of table.

Table 18. Domestic crude oil first purchase prices (cont.)

dollars per barrel

Year month	PAD District 4					PAD District 5				Federal Offshore CA	
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore CA	
1997	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97	
1998	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99	
1999	16.79	17.37	16.54	17.69	16.47	13.10	12.46	17.44	14.08	11.78	
2000	27.60	28.85	27.82	28.53	26.89	24.16	23.62	28.23	24.82	23.32	
2001	22.73	24.82	23.16	24.09	21.55	19.03	18.18	23.30	20.11	18.38	
2002	23.01	25.29	22.76	23.87	21.96	20.39	19.37	24.47	21.87	19.03	
2003	28.09	30.71	28.66	28.88	26.63	24.97	23.78	28.48	26.43	24.25	
2004	37.34	40.38	38.53	39.35	35.10	33.69	33.03	38.76	34.47	32.23	
2005	50.65	55.34	52.66	53.98	45.63	47.03	47.05	54.19	47.08	43.48	
2006	57.38	63.80	56.69	59.70	53.25	57.03	56.86	64.10	57.34	53.37	
2007	62.54	67.04	64.64	62.48	58.34	64.24	63.69	69.60	65.07	59.39	
2008	88.23	90.80	89.96	86.58	86.07	90.16	90.10	95.04	90.47	85.68	
2009	52.16	52.33	52.96	50.22	52.30	55.23	54.41	W	56.11	53.59	
2010	69.72	72.75	70.24	68.09	68.10	73.29	72.33	W	74.51	69.80	
2011	85.64	88.26	88.61	82.53	83.45	100.39	98.79	W	102.50	96.01	
2012	82.91	85.78	82.98	82.73	80.70	101.33	98.70	W	104.10	97.04	
2013	87.16	90.10	88.73	84.79	85.30	99.08	95.79	W	102.53	91.40	
2014	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55	
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62	
2016	36.68	37.81	35.40	36.92	35.98	35.68	33.13	W	37.96	W	
2017											
January	46.14	47.14	44.74	44.83	46.23	46.55	43.91	W	49.00	W	
February	48.06	49.79	46.75	45.88	47.94	47.42	45.01	W	49.73	W	
March	44.44	45.09	43.36	43.79	44.49	45.24	43.95	W	46.52	W	
April	45.54	46.62	44.17	43.34	46.07	45.89	43.63	W	48.10	W	
May	43.62	44.04	42.49	42.76	44.07	43.65	41.59	W	45.65	W	
June	40.56	40.77	38.95	40.44	40.90	40.17	37.40	W	42.32	W	
July	41.69	41.92	40.62	40.23	42.63	42.48	40.56	W	44.04	W	
August	43.34	43.55	42.49	42.15	44.02	44.46	41.15	W	46.94	W	
September	45.27	45.40	44.61	43.69	46.14	47.61	45.15	W	50.10	W	
October	46.88	46.88	46.83	45.15	47.76	50.42	47.93	W	53.08	W	
November	51.90	52.07	52.32	49.36	52.82	56.53	54.07	-	59.20	W	
December	52.86	53.08	53.29	50.11	53.83	58.03	54.88	W	60.87	W	
2017	45.94	46.41	44.89	44.24	46.63	47.44	45.21	W	49.54	W	
2018											
January	58.46	58.71	58.60	56.49	59.06	63.33	60.38	W	66.66	W	
February	57.20	57.57	57.02	55.27	57.84	61.16	58.38	W	63.89	W	
March	57.73	57.93	57.01	56.65	58.24	61.13	58.55	W	64.23	W	
April	61.00	61.36	60.76	59.27	61.50	65.09	62.27	W	68.19	W	
May	64.47	64.72	64.02	61.55	65.63	69.57	66.50	W	73.12	W	
June	61.86	62.43	61.20	58.87	62.87	67.96	64.42	W	71.66	W	
July	65.25	65.53	66.34	61.19	66.86	70.55	67.92	W	72.78	W	
August	63.18	63.52	63.19	59.12	64.46	67.57	65.76	W	69.34	W	
September	64.13	65.30	63.50	60.89	64.50	71.62	69.75	W	73.67	W	
October	64.52	65.71	63.65	61.59	64.62	72.87	69.68	W	76.27	W	
November	50.61	52.37	46.26	51.79	48.58	59.75	57.00	W	62.96	W	

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 19. Domestic crude oil first purchase prices for selected crude streams
dollars per barrel

Year month	Alaska North Slope	California Kern River	California Midway-Sunset	Heavy Louisiana Sweet	Louisiana Light Sweet	Mars Blend	West Texas Intermediate	West Texas Sour	Wyoming Sweet
1997	14.84	15.02	14.88	-	-	-	19.27	17.77	-
1998	8.47	8.59	8.48	-	-	-	12.89	11.50	-
1999	12.46	14.02	12.22	-	-	-	17.78	16.66	-
2000	23.62	23.88	23.56	-	-	-	29.16	27.66	-
2001	18.18	19.03	19.50	-	-	-	24.62	22.10	-
2002	19.37	19.80	22.81	-	-	-	24.33	23.23	-
2003	23.78	25.24	26.67	-	-	-	29.60	28.18	30.11
2004	33.03	33.42	33.74	37.78	40.24	34.53	39.55	37.29	39.52
2005	47.05	44.67	45.93	51.61	51.95	46.13	53.90	50.72	53.94
2006	56.86	55.05	54.59	63.41	64.04	57.35	63.16	59.03	60.52
2007	63.69	62.14	61.62	70.00	72.93	63.37	69.59	65.56	64.79
2008	90.10	87.27	86.92	103.96	104.51	93.40	97.39	95.31	89.30
2009	54.41	53.94	53.00	58.61	61.26	57.21	57.27	56.63	51.68
2010	72.33	72.80	72.26	78.16	79.28	75.43	76.63	75.03	70.43
2011	98.79	103.14	100.96	106.74	108.48	105.30	92.18	90.77	87.42
2012	98.70	103.41	103.05	106.77	107.53	105.03	91.36	87.94	84.81
2013	95.79	101.33	101.02	105.73	106.32	100.80	95.26	92.51	90.10
2014	86.41	90.38	89.34	95.53	94.37	92.50	85.90	85.66	82.19
2015	41.11	44.71	43.81	47.83	47.91	46.27	44.58	45.78	41.77
2016	33.13	36.83	36.12	40.37	40.56	36.75	39.20	39.44	37.86
2017									
January	43.91	47.73	47.17	50.28	49.41	45.84	49.42	48.73	47.82
February	45.01	48.71	48.06	51.11	50.41	47.07	50.62	49.25	49.94
March	43.95	45.60	45.23	48.88	47.06	45.86	46.83	45.96	45.96
April	43.63	46.90	46.78	49.94	48.50	45.80	47.50	47.23	47.56
May	41.59	44.62	44.30	48.49	46.43	45.00	44.93	44.87	45.02
June	37.40	41.43	41.01	45.29	43.26	42.38	42.08	42.27	41.83
July	40.56	43.10	42.63	46.18	44.62	42.21	43.35	43.67	43.66
August	41.15	46.03	45.63	47.90	46.41	43.13	44.94	45.16	44.72
September	45.15	49.17	48.66	49.63	48.41	46.32	47.18	47.29	46.79
October	47.93	52.02	51.69	52.16	51.67	48.72	48.56	48.10	48.57
November	54.07	W	57.91	58.58	58.13	54.02	54.75	53.89	53.58
December	54.88	W	59.24	61.19	59.89	56.49	56.64	55.83	54.88
2017	45.21	48.33	48.04	50.27	49.52	46.89	48.50	48.25	47.80
2018									
January	60.38	W	65.50	65.56	64.79	60.92	62.31	61.81	60.77
February	58.38	W	62.39	64.20	62.96	61.01	61.65	60.57	59.97
March	58.55	W	63.02	62.74	61.42	59.01	61.26	59.87	60.36
April	62.27	W	66.84	66.31	64.53	61.13	63.51	63.08	63.33
May	66.50	W	71.58	70.60	68.53	66.02	64.38	63.04	66.75
June	64.42	W	70.21	69.52	67.74	66.96	58.10	56.17	63.97
July	67.92	W	71.30	74.47	74.25	69.89	62.70	60.71	68.17
August	65.76	W	68.14	68.71	67.92	65.96	57.09	55.20	65.75
September	69.75	W	72.66	72.26	71.04	68.04	56.49	53.38	66.02
October	69.68	75.65	75.09	74.66	74.59	71.58	R58.15	56.03	66.18
November	57.00	62.12	61.52	64.08	61.60	65.37	50.96	48.80	50.84

- = No data reported.

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 20. Domestic crude oil first purchase prices by API gravity
dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 or greater
1997	15.44	16.27	14.87	18.38	18.62	19.26
1998	9.22	9.62	8.50	12.03	12.17	12.80
1999	14.00	15.30	12.50	16.92	17.18	17.64
2000	24.42	25.64	23.64	28.10	28.36	29.09
2001	19.53	19.59	18.18	23.31	23.99	24.43
2002	21.08	20.80	19.39	23.62	23.94	24.26
2003	25.82	25.56	23.80	28.77	29.21	29.66
2004	33.38	35.02	33.21	37.24	39.33	39.97
2005	45.01	46.33	47.09	50.81	53.14	54.06
2006	54.96	57.89	56.18	60.78	61.83	61.86
2007	62.00	64.94	62.83	67.14	69.29	69.17
2008	87.10	91.01	89.55	98.41	96.69	94.95
2009	54.05	55.66	54.30	57.66	56.93	56.66
2010	72.40	75.04	71.78	76.22	76.03	74.48
2011	101.30	103.07	97.12	99.65	94.54	91.87
2012	102.79	101.56	96.64	98.48	93.12	91.01
2013	99.40	100.70	94.13	99.11	96.24	94.76
2014	87.83	91.05	85.48	90.95	86.56	86.12
2015	43.88	45.71	40.73	46.82	44.67	43.65
2016	36.87	38.52	32.94	38.95	39.33	38.25
2017						
January	48.35	49.32	43.77	48.25	49.47	48.12
February	48.82	49.78	44.88	49.22	50.68	49.64
March	45.70	46.37	43.79	46.92	46.93	46.04
April	47.17	48.43	43.53	47.66	47.78	47.32
May	44.77	46.00	41.55	46.07	45.26	45.31
June	41.52	42.60	37.41	43.35	42.31	42.10
July	43.22	44.58	40.48	43.96	43.63	43.63
August	46.18	47.20	41.12	45.26	45.18	45.44
September	49.30	50.57	45.06	47.62	47.39	47.29
October	52.39	53.05	47.78	49.32	48.92	50.26
November	58.59	58.91	53.91	55.03	54.99	56.23
December	60.04	60.77	54.63	57.26	56.81	57.61
2017	48.74	49.77	45.08	48.40	48.64	48.44
2018						
January	66.17	66.46	60.05	62.38	62.46	63.07
February	62.89	63.48	57.95	61.52	61.69	61.30
March	63.44	64.34	58.17	60.30	61.35	60.68
April	67.34	67.64	61.91	63.23	63.78	63.74
May	72.16	71.97	66.28	66.19	65.06	66.59
June	70.88	70.43	64.18	63.35	59.38	63.23
July	72.00	72.24	67.59	67.62	63.90	68.35
August	68.66	68.70	65.42	62.83	58.61	63.76
September	73.09	72.27	69.25	63.74	58.27	65.14
October	75.76	75.18	69.22	66.28	R59.85	66.45
November	62.33	57.35	56.41	59.04	51.61	53.90

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 21. F.O.B.[a] costs of imported crude oil by selected country

dollars per barrel

Year month	Selected countries								Persian Gulf[b]	Total OPEC[c]	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela				
1997	18.81	18.85	16.72	19.43	15.16	18.59	15.33	15.24	16.26	17.51	
1998	12.11	12.56	10.49	12.97	8.87	12.52	9.31	9.09	10.20	11.21	
1999	17.46	17.20	15.89	17.32	17.65	19.14	14.33	17.15	15.90	16.84	
2000	27.90	29.04	25.39	28.70	24.62	27.21	24.45	24.72	25.56	26.77	
2001	23.25	24.25	18.89	24.85	18.98	23.30	18.01	18.89	19.73	21.04	
2002	24.09	24.64	21.60	25.38	23.92	24.50	20.13	23.38	22.18	22.93	
2003	28.22	28.89	24.83	29.40	25.03	28.76	23.81	25.17	25.36	26.21	
2004	37.26	37.73	31.55	38.71	34.08	37.30	31.78	33.08	33.95	33.58	
2005	52.48	51.89	43.00	55.95	47.96	54.48	46.39	47.21	49.60	45.79	
2006	62.23	59.77	52.91	65.69	56.09	66.03	55.80	56.02	59.18	55.35	
2007	67.80	67.93	61.35	76.64	W	69.96	64.10	69.93	69.58	62.69	
2008	95.66	91.17	84.61	102.06	93.03	96.33	88.06	91.44	93.15	87.15	
2009	57.07	57.90	56.47	64.61	57.87	65.63	55.58	59.53	58.53	57.16	
2010	78.18	72.56	72.46	80.83	76.44	W	70.30	75.65	75.23	73.24	
2011	111.82	100.21	100.90	115.35	107.08	-	97.23	106.47	105.34	98.49	
2012	111.23	106.43	101.84	114.51	106.65	-	100.15	105.45	104.39	95.71	
2013	107.71	101.24	98.40	110.06	101.16	W	97.52	100.62	100.57	93.67	
2014	W	80.75	86.55	W	95.60	-	84.51	94.03	89.76	82.95	
2015	W	47.52	44.90	W	47.53	-	40.73	46.95	43.25	41.19	
2016	42.68	35.28	36.22	46.20	39.30	W	34.71	38.76	38.51	34.81	
2017											
January	-	47.92	45.50	W	W	-	45.94	47.61	47.30	43.25	
February	W	46.97	45.91	W	51.03	-	45.69	50.01	49.11	43.63	
March	W	46.05	42.10	W	48.54	-	42.47	47.78	46.83	41.73	
April	W	46.76	44.32	W	50.00	W	43.71	48.93	47.16	41.46	
May	W	44.70	44.85	W	47.95	-	42.27	47.14	46.08	42.66	
June	W	41.30	41.86	48.88	45.41	-	39.16	44.45	43.52	40.28	
July	W	44.44	44.33	50.26	46.94	-	41.72	45.95	45.40	40.39	
August	W	47.16	46.33	52.18	49.33	-	45.41	48.06	48.32	41.38	
September	-	W	48.06	W	53.41	-	49.22	51.74	52.36	43.26	
October	-	52.69	49.01	58.58	55.44	-	52.51	50.92	53.93	44.21	
November	-	W	54.66	W	60.22	W	55.88	59.12	58.89	48.57	
December	-	W	55.32	W	62.09	-	58.27	60.36	61.52	49.87	
2017	W	48.34	46.66	54.77	51.30	W	45.60	50.16	49.55	43.30	
2018											
January	W	61.24	58.75	W	65.03	W	62.07	63.50	64.12	51.34	
February	W	59.66	56.74	W	63.19	W	55.72	61.90	61.07	49.79	
March	-	W	56.73	W	65.04	W	56.84	61.90	60.90	49.09	
April	W	65.95	57.68	W	68.33	W	63.17	66.05	66.09	53.73	
May	-	W	63.32	W	70.57	W	66.56	69.66	70.07	58.99	
June	W	W	64.46	W	71.32	W	64.82	70.18	69.44	59.81	
July	W	68.32	66.21	-	70.62	-	62.93	70.30	67.64	59.84	
August	W	67.29	63.08	W	70.91	W	63.09	69.96	68.31	57.46	
September	W	W	68.15	W	R72.90	W	68.94	R72.05	R71.80	R56.39	
October	W	W	R73.94	W	R73.73	W	R68.44	R73.84	R72.57	R53.73	
November	-	64.87	63.11	W	64.66	W	53.62	66.67	62.97	38.01	

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary.

[b] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[c] Includes Algeria, Angola (January 2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2017-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 22. Landed costs of imported crude oil by selected country

dollars per barrel

Year month	Selected countries									Persian Gulf[a]	Total OPEC[b]	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela				
1997	20.24	17.63	19.71	17.30	20.64	17.52	20.64	16.35	17.44	17.73	18.45	
1998	13.37	11.62	13.26	11.04	14.14	11.16	13.55	10.16	11.18	11.46	12.22	
1999	18.37	17.54	18.09	16.12	17.63	17.48	18.26	15.58	17.37	16.94	17.51	
2000	29.57	26.69	29.68	26.03	30.04	26.58	29.26	26.05	26.77	27.29	27.80	
2001	25.13	20.72	25.88	19.37	26.55	20.98	25.32	19.81	20.73	21.52	22.17	
2002	25.43	22.98	25.28	22.09	26.45	24.77	26.35	21.93	24.13	23.83	23.97	
2003	30.14	26.76	30.55	25.48	31.07	27.50	30.62	25.70	27.54	27.70	27.68	
2004	39.62	34.51	39.03	32.25	40.95	37.11	39.28	33.79	36.53	36.84	35.29	
2005	54.31	44.73	53.42	43.47	57.55	50.31	55.28	47.87	49.68	51.36	47.31	
2006	64.85	53.90	62.13	53.76	68.26	59.19	67.44	57.37	58.92	61.21	57.14	
2007	71.27	60.38	70.91	62.31	78.01	70.78	72.47	66.13	69.83	71.14	63.96	
2008	98.18	90.00	93.43	85.97	104.83	94.75	96.95	90.76	93.59	95.49	90.59	
2009	61.32	57.60	58.50	57.35	68.01	62.14	63.87	57.78	62.15	61.90	58.58	
2010	80.61	72.80	74.25	72.86	83.14	79.29	80.29	72.43	78.60	78.28	74.68	
2011	114.05	89.92	102.57	101.21	116.43	108.83	118.45	100.14	108.01	107.84	98.64	
2012	114.95	84.24	107.07	102.45	116.88	108.15	W	101.58	107.74	107.56	95.05	
2013	110.81	84.41	103.00	99.06	112.87	102.60	111.23	99.34	102.53	102.98	91.99	
2014	99.25	81.30	88.29	87.48	102.16	94.91	W	86.88	95.30	93.10	84.67	
2015	51.73	41.99	49.53	45.51	54.70	49.78	W	42.87	49.43	47.44	44.09	
2016	44.65	36.27	38.86	36.64	48.11	42.14	W	35.50	41.20	40.54	37.09	
2017												
January	-	44.70	49.17	46.35	54.74	50.40	W	47.53	49.35	49.22	45.76	
February	W	44.97	49.66	46.57	54.42	52.27	-	46.28	50.92	50.48	46.26	
March	W	43.00	48.29	42.97	W	50.36	W	43.91	49.58	48.91	44.03	
April	W	43.05	48.38	44.65	W	50.18	W	44.53	49.03	48.47	44.31	
May	W	44.24	45.92	45.51	51.83	49.17	W	43.50	47.37	47.36	45.23	
June	50.74	41.76	44.89	42.36	50.36	47.97	W	40.88	46.86	45.77	42.67	
July	50.20	41.60	46.72	45.17	50.89	48.22	-	42.25	47.48	46.91	43.36	
August	52.23	43.18	48.56	46.86	53.18	51.43	W	46.16	49.71	49.55	45.41	
September	56.59	45.14	52.43	49.63	57.99	55.03	W	50.98	52.93	53.53	47.42	
October	W	45.68	53.95	50.28	59.35	58.34	W	53.05	55.14	55.71	48.21	
November	61.03	51.16	59.52	55.47	64.27	61.66	62.24	57.19	59.63	59.83	53.67	
December	W	51.15	61.58	56.01	67.20	63.52	-	58.80	61.48	62.13	53.90	
2017	54.17	44.93	50.60	47.73	56.48	52.56	56.11	47.02	51.42	51.26	46.67	
2018												
January	66.55	51.20	63.25	59.85	69.15	64.81	W	62.79	63.94	64.83	54.64	
February	W	48.23	62.55	57.37	69.60	65.30	68.19	55.98	63.21	62.93	52.91	
March	70.27	47.01	63.59	56.99	70.59	66.77	W	57.72	63.72	63.56	51.07	
April	W	52.22	66.34	58.62	W	69.44	73.82	63.51	67.09	66.99	56.36	
May	W	58.19	70.63	64.03	79.38	71.28	W	67.45	70.85	71.50	61.72	
June	76.28	58.57	70.64	65.38	W	72.17	72.88	65.81	71.49	70.65	62.95	
July	75.55	58.99	71.20	66.82	W	72.56	-	63.67	71.62	70.54	62.54	
August	75.45	56.78	68.79	64.18	W	72.79	72.41	64.12	71.58	70.44	60.79	
September	75.83	R52.35	73.88	69.79	W	R72.56	W	R70.73	R72.26	R72.45	R58.76	
October	W	R47.83	R74.22	R74.81	W	R75.52	W	R69.15	R74.40	R73.27	R57.07	
November	-	29.05	69.04	63.90	69.40	66.67	W	56.67	65.82	64.47	38.89	

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[b] Includes Algeria, Angola (January 2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2017-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 23. F.O.B.[a] costs of imported crude oil by API gravity
dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	13.12	14.94	17.49	17.61	19.37	19.88	19.77
1998	7.00	8.95	10.77	11.73	12.91	13.12	12.92
1999	12.13	14.49	17.07	17.33	18.03	18.81	17.00
2000	21.81	23.75	26.49	27.09	28.77	29.55	29.89
2001	16.17	17.23	21.84	21.60	23.84	24.80	25.72
2002	18.78	20.51	23.48	24.20	24.92	25.20	25.16
2003	21.88	24.09	25.65	27.49	28.67	29.35	28.64
2004	28.95	30.53	33.65	35.57	38.51	39.90	39.26
2005	40.54	41.52	49.26	50.82	54.65	56.47	52.83
2006	50.19	51.62	58.25	60.27	64.36	66.43	64.85
2007	56.69	60.14	69.31	71.44	73.46	74.27	70.10
2008	81.25	83.07	96.68	94.56	98.17	102.32	100.20
2009	54.76	54.36	56.30	59.78	63.63	62.10	63.32
2010	69.51	69.72	76.73	77.48	79.45	79.43	81.04
2011	94.66	94.15	103.09	107.24	111.37	114.28	112.74
2012	96.07	94.35	104.28	103.99	106.59	110.99	119.48
2013	93.91	91.27	100.20	101.44	104.26	108.78	103.41
2014	82.40	80.16	92.53	93.77	94.26	99.49	W
2015	40.07	38.33	47.33	47.85	49.98	54.59	W
2016	34.05	32.66	38.81	40.61	42.86	48.63	46.94
2017							
January	44.96	41.08	47.97	50.43	50.01	-	W
February	44.33	42.25	48.44	50.86	50.29	51.84	W
March	41.90	39.38	47.25	49.76	50.83	52.79	W
April	42.29	40.12	45.56	49.43	48.69	49.92	W
May	41.78	40.50	45.29	49.71	48.59	51.24	50.00
June	38.25	38.65	43.53	46.21	46.53	45.83	W
July	39.97	39.42	45.14	45.78	46.32	48.92	W
August	42.21	40.85	45.53	48.82	47.92	52.34	W
September	44.11	41.26	48.71	52.16	51.74	56.00	W
October	46.80	43.13	50.77	52.29	55.45	58.11	W
November	50.59	47.79	56.14	59.46	57.06	W	W
December	49.05	48.91	59.48	61.16	58.35	W	W
2017	43.78	41.82	48.78	51.08	50.31	54.70	54.12
2018							
January	57.20	49.82	56.18	62.44	60.12	66.11	W
February	53.01	46.68	54.95	62.04	57.83	65.11	W
March	53.41	45.84	57.90	61.95	60.18	69.20	W
April	57.32	51.45	65.73	66.67	64.74	71.91	W
May	62.76	55.69	65.41	69.28	70.82	W	W
June	61.21	57.70	63.29	69.09	69.54	75.58	W
July	59.86	58.01	68.71	69.06	67.39	72.74	W
August	60.39	54.39	67.31	69.23	67.01	71.14	W
September	R58.92	54.06	72.13	R72.46	R68.33	W	W
October	R59.90	R54.66	R71.51	R65.00	R57.56	W	W
November	47.20	35.96	52.59	54.36	47.89	69.34	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 24. Landed costs of imported crude oil by API gravity

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	14.42	15.79	18.57	18.42	20.34	21.09	20.85
1998	8.19	9.73	11.81	12.31	13.73	14.40	14.38
1999	13.40	15.30	17.33	17.81	18.18	19.22	18.48
2000	23.49	24.71	27.60	27.91	29.99	30.37	31.10
2001	17.66	18.14	23.29	22.21	24.86	26.59	26.49
2002	20.59	21.33	24.40	24.91	25.73	26.49	25.96
2003	23.87	25.15	27.78	28.78	29.95	30.73	30.90
2004	30.96	31.92	35.99	37.94	39.82	41.25	41.59
2005	42.20	42.24	49.94	52.18	54.95	58.38	56.43
2006	51.84	52.62	59.38	61.88	64.80	68.44	66.78
2007	59.01	60.64	68.95	72.03	73.17	75.68	73.57
2008	85.39	84.76	97.30	96.83	99.90	103.68	99.23
2009	56.38	55.68	61.28	62.43	64.80	64.82	63.90
2010	71.54	71.07	78.35	79.64	81.25	81.09	82.17
2011	96.89	93.32	106.06	108.76	110.93	115.40	113.24
2012	97.49	91.32	105.92	107.23	107.27	112.70	115.67
2013	95.87	88.35	101.63	102.97	104.39	110.66	105.88
2014	85.31	81.44	93.64	95.20	94.50	100.17	100.25
2015	43.20	41.14	49.58	50.16	50.78	54.54	51.70
2016	35.85	34.78	41.73	42.14	44.49	48.15	48.93
2017							
January	46.52	43.27	49.62	51.69	51.39	W	W
February	46.12	44.24	50.49	52.71	52.73	55.13	W
March	44.21	41.81	48.25	51.10	51.65	53.80	53.72
April	44.28	42.59	48.59	50.09	50.76	51.84	W
May	43.89	43.00	46.79	50.28	51.27	53.66	51.87
June	41.20	41.00	46.56	48.38	48.71	48.07	49.17
July	41.85	42.09	47.78	48.09	48.15	49.96	50.85
August	44.66	43.88	50.02	51.01	50.88	53.53	52.58
September	47.52	45.72	52.08	54.60	52.54	56.15	W
October	49.69	46.93	54.88	56.69	55.55	59.03	58.12
November	54.62	51.78	59.98	61.24	58.86	64.22	65.83
December	54.38	51.81	61.38	62.87	61.80	64.66	W
2017	46.51	44.75	51.46	53.12	52.48	55.74	55.70
2018							
January	58.31	52.94	62.54	64.22	61.62	68.53	69.67
February	54.33	49.87	61.17	64.20	65.10	66.15	68.83
March	54.30	48.32	61.15	65.40	62.69	67.41	W
April	59.86	52.58	65.46	69.52	68.10	70.77	W
May	65.28	58.51	70.58	71.21	72.86	75.40	W
June	64.58	60.28	67.84	71.14	69.85	76.54	W
July	62.24	60.25	69.86	72.16	69.74	74.18	76.47
August	61.93	57.72	67.62	71.73	69.54	72.53	W
September	R62.05	R56.28	R69.02	R72.70	R70.87	75.57	W
October	R63.60	R54.51	R67.50	R69.57	R63.52	77.21	W
November	46.74	35.36	57.44	59.53	53.26	70.34	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 25. Percentages of total imported crude oil by API gravity
percent by interval

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	6.05	21.88	13.33	34.43	21.28	1.77	1.27
1998	5.84	20.29	13.99	35.62	20.81	1.88	1.57
1999	4.76	17.78	14.18	36.54	21.46	3.72	1.57
2000	6.21	18.88	13.41	36.90	19.83	3.44	1.35
2001	7.97	20.78	11.60	36.10	19.63	2.71	1.21
2002	8.28	22.29	11.44	35.28	18.29	2.67	1.75
2003	8.29	24.25	9.97	35.60	17.19	2.70	1.99
2004	11.13	23.70	8.18	34.57	17.68	2.10	2.64
2005	11.94	22.83	10.20	31.87	16.92	3.68	2.55
2006	13.04	23.28	11.18	28.22	15.73	5.82	2.74
2007	11.72	23.12	11.18	28.86	16.71	5.57	2.84
2008	13.22	23.50	11.51	30.42	14.64	4.24	2.47
2009	14.08	26.11	7.78	29.74	13.76	5.65	2.88
2010	15.13	26.01	5.35	30.73	14.35	5.57	2.86
2011	17.20	27.47	6.02	30.64	13.42	3.58	1.68
2012	16.66	29.77	8.41	28.31	12.84	3.36	0.65
2013	16.20	33.87	8.74	29.98	9.67	1.28	0.27
2014	18.49	36.73	9.78	26.96	7.19	0.75	0.11
2015	19.51	38.05	8.63	26.17	7.15	0.43	0.06
2016	16.70	38.88	8.43	24.92	8.42	1.43	1.22
2017							
January	16.05	43.19	8.84	23.07	8.10	W	W
February	14.94	42.19	8.04	23.23	7.71	W	W
March	15.78	39.44	8.08	26.54	5.99	1.25	2.92
April	15.21	43.07	7.54	21.93	9.02	W	W
May	17.09	38.96	11.04	20.33	8.31	1.85	2.42
June	18.76	41.44	9.14	19.98	7.01	1.40	2.27
July	17.96	36.93	13.79	19.68	7.08	2.19	2.38
August	19.77	39.42	9.53	18.00	8.56	2.31	2.41
September	19.59	35.45	8.96	23.72	7.29	W	W
October	21.94	39.17	11.64	16.25	7.43	1.85	1.72
November	19.54	39.06	10.21	21.74	6.24	1.26	1.94
December	14.54	41.58	11.58	21.30	5.52	W	W
2017	17.58	39.99	9.88	21.31	7.37	1.93	1.95
2018							
January	13.96	45.67	8.34	21.97	5.41	2.29	2.37
February	14.75	41.07	10.72	22.98	5.71	2.81	1.95
March	14.87	40.44	11.29	24.42	4.69	W	W
April	15.21	42.07	8.02	24.60	5.56	W	W
May	15.55	42.03	11.03	19.69	8.98	W	W
June	19.56	39.42	9.38	21.30	5.31	W	W
July	17.27	39.84	10.16	23.01	5.58	3.37	0.77
August	16.62	39.10	10.62	22.76	7.66	W	W
September	R19.27	R40.28	R9.66	R21.96	R6.09	W	W
October	R20.55	R41.58	R11.54	R17.25	R5.72	W	W
November	16.90	40.20	10.39	20.78	8.52	W	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 26. F.O.B.[a] costs of imported crude oil for selected crude streams
dollars per barrel

Year quarter month	Canadian Lloydminster	Iraqi Basrah Light	Mexican Mayan	Nigerian Qua Iboe	Venezuelan Merey
2005	35.13	-	40.69	-	-
2006	44.55	-	51.29	-	-
2007	48.54	-	59.96	-	-
2008	79.33	-	82.99	-	-
2009	50.11	62.98	55.07	65.60	59.89
2010	64.41	74.36	70.36	82.66	70.26
2011	78.41	104.51	98.27	115.82	98.73
2012	77.01	103.17	99.81	115.85	102.04
2013	75.61	99.28	96.87	W	99.26
2014	75.42	92.96	85.83	W	89.86
2015	W	47.59	43.49	W	43.82
2016	-	36.73	36.39	W	37.72
2017					
January	-	46.71	45.74	W	45.80
February	W	W	45.88	W	45.95
March	-	46.99	42.30	W	W
1st quarter average	W	47.09	44.76	W	44.72
April	-	W	44.54	W	W
May	-	W	44.98	W	W
June	-	W	42.07	W	W
2nd quarter average	-	44.27	43.74	W	44.88
July	-	W	44.33	W	W
August	-	W	46.40	-	W
September	-	W	48.11	W	-
3rd quarter average	-	W	45.93	W	W
October	-	W	49.01	-	W
November	-	W	54.73	-	W
December	-	W	55.32	W	-
4th quarter average	-	55.65	53.28	W	52.71
2017	W	49.10	46.82	W	45.62
2018					
January	-	W	59.05	-	W
February	-	W	56.82	-	-
March	-	59.95	56.98	-	-
1st quarter average	-	60.11	57.49	-	W
April	-	64.98	57.87	-	W
May	-	68.23	63.55	-	-
June	-	W	64.61	-	-
2nd quarter average	-	66.48	62.28	-	W
July	-	W	66.35	-	W
August	-	W	63.27	-	W
September	-	W	68.34	-	W
3rd quarter average	-	68.98	66.00	-	W
October	-	-	R74.48	-	W
November	-	W	64.06	-	-

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 27. Landed costs of imported crude oil for selected crude streams
dollars per barrel

Year quarter month	Algerian Saharan Blend	Brazilian Marlim	Canadian Bow River Heavy	Canadian Light Sour Blend	Canadian Lloydminster
2005	-	-	39.22	-	37.59
2006	-	-	48.38	-	46.96
2007	-	-	52.36	-	50.94
2008	-	-	84.29	-	82.50
2009	65.95	58.94	55.71	59.12	53.44
2010	81.78	76.63	68.92	76.56	68.13
2011	115.82	107.13	82.02	96.52	82.24
2012	114.02	114.32	77.19	87.82	81.33
2013	113.45	108.43	76.88	90.59	79.34
2014	-	93.08	76.90	85.10	81.87
2015	W	47.77	38.90	47.18	38.51
2016	49.82	W	33.43	40.04	W
2017					
January	-	-	41.70	48.94	W
February	W	-	43.43	50.94	W
March	W	W	39.96	47.85	-
1st quarter average	W	W	41.57	48.98	W
April	W	W	40.36	48.77	-
May	53.31	-	42.47	48.62	-
June	W	-	40.38	45.23	-
2nd quarter average	51.76	W	41.10	47.52	-
July	W	W	41.14	45.27	-
August	W	W	42.45	47.44	-
September	W	-	44.26	48.17	W
3rd quarter average	W	W	42.63	47.07	W
October	-	-	44.60	51.49	W
November	W	-	50.88	57.58	W
December	64.88	-	49.51	57.99	-
4th quarter average	65.06	-	47.66	56.11	W
2017	54.96	50.40	43.02	50.08	42.28
2018					
January	70.13	-	45.68	57.22	W
February	W	W	38.64	60.89	W
March	W	W	39.89	59.46	-
1st quarter average	68.55	W	41.88	58.42	W
April	W	-	43.61	63.00	W
May	W	-	53.66	65.07	W
June	W	-	55.69	61.96	-
2nd quarter average	75.40	-	51.89	63.32	W
July	73.97	-	56.25	67.99	-
August	74.53	-	52.40	65.31	-
September	W	-	45.23	62.05	-
3rd quarter average	74.55	-	51.15	64.81	-
October	W	-	44.12	59.11	-
November	W	-	18.37	45.37	-

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)

dollars per barrel

Year quarter month	Ecuadorian Oriente	Ecuadorian Napo	Iraqi Basrah Light	Mexican Mayan	Nigerian Bonny Light
2005	46.42	-	-	41.54	57.12
2006	56.75	-	-	52.04	69.29
2007	64.57	-	-	60.93	77.90
2008	87.25	-	-	84.29	108.46
2009	56.97	48.74	64.38	56.03	68.30
2010	75.48	72.97	77.96	70.87	84.10
2011	101.74	97.91	106.67	98.81	116.95
2012	105.50	101.53	106.93	100.29	117.70
2013	104.14	100.01	102.70	97.43	W
2014	91.65	93.11	96.95	86.49	W
2015	49.65	41.84	49.50	44.08	59.92
2016	40.68	37.46	39.90	36.79	W
2017					
January	51.02	W	48.34	46.58	-
February	W	W	50.16	46.55	-
March	49.90	46.39	48.28	43.12	-
1st quarter average	50.39	47.12	48.89	45.54	-
April	49.89	49.17	47.51	44.90	-
May	47.80	44.72	46.06	45.60	W
June	45.70	W	45.87	42.50	-
2nd quarter average	47.85	45.00	46.45	44.23	W
July	46.85	W	47.30	45.15	-
August	49.26	47.76	49.83	46.91	-
September	51.57	48.06	51.27	49.67	-
3rd quarter average	49.31	45.95	49.24	46.95	-
October	54.53	54.93	53.10	50.26	-
November	60.82	W	58.61	55.48	-
December	62.10	60.50	60.05	56.04	-
4th quarter average	60.14	58.14	57.23	54.05	-
2017	51.93	49.18	50.73	47.87	W
2018					
January	66.34	W	64.01	59.90	-
February	65.05	W	60.97	57.42	-
March	63.11	60.38	61.65	57.11	-
1st quarter average	65.06	60.72	62.05	58.22	-
April	68.05	63.50	65.78	58.58	-
May	73.52	W	69.98	64.17	-
June	71.04	66.83	69.31	65.46	-
2nd quarter average	70.28	65.56	68.13	63.22	-
July	74.01	68.84	70.02	66.89	-
August	70.12	66.98	68.65	64.21	-
September	W	68.28	R72.38	69.88	-
3rd quarter average	72.42	68.12	70.26	66.80	-
October	77.96	R69.45	W	R75.31	-
November	67.51	61.35	64.72	64.40	-

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)

dollars per barrel

Year quarter month	Nigerian Qua Iboe	Saudi Arabian Light	Saudi Arabian Medium	Saudi Arabian Berri	Venezuelan Merey
2005	-	52.92	48.92	-	-
2006	-	60.51	58.10	-	-
2007	-	71.62	70.09	-	-
2008	-	94.38	91.46	-	-
2009	68.26	63.10	61.87	59.72	60.15
2010	84.44	79.65	78.13	81.14	71.59
2011	117.02	109.43	107.12	110.77	100.36
2012	116.48	108.93	106.83	110.03	103.28
2013	112.47	103.44	101.44	107.00	100.69
2014	W	96.83	94.47	96.68	91.73
2015	W	50.00	48.66	52.83	45.77
2016	W	41.25	41.62	45.62	38.97
2017					
January	W	51.78	49.33	51.41	47.49
February	W	52.91	50.81	53.95	47.09
March	W	50.62	49.73	51.23	43.92
1st quarter average	W	51.58	49.90	52.17	46.25
April	W	50.42	49.05	51.78	46.49
May	W	48.91	48.31	51.28	W
June	W	47.76	47.55	50.19	43.21
2nd quarter average	W	49.17	48.28	51.22	45.96
July	W	48.58	47.13	W	W
August	-	W	50.62	W	W
September	W	55.51	54.39	W	W
3rd quarter average	W	52.15	50.96	W	W
October	-	W	58.14	W	W
November	-	62.41	60.95	W	W
December	W	63.85	61.88	66.30	W
4th quarter average	W	62.24	60.12	64.36	53.18
2017	W	53.27	51.60	52.68	47.38
2018					
January	W	65.72	62.32	W	W
February	W	65.47	64.58	66.71	W
March	-	66.73	66.64	W	W
1st quarter average	W	65.98	64.62	67.76	W
April	W	69.16	70.16	69.08	W
May	-	71.59	70.47	W	W
June	-	72.30	71.03	74.50	-
2nd quarter average	W	70.95	70.51	72.38	64.47
July	-	72.63	71.91	74.41	W
August	-	73.60	72.14	73.88	W
September	-	R72.45	R71.44	R75.91	W
3rd quarter average	-	R72.83	R71.89	R74.65	W
October	-	R75.82	R73.77	R77.10	W
November	-	64.02	67.01	71.66	W

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Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Prices of Petroleum Products

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades			
	Sales to end users		Sales to end users			Sales to end users		Sales to end users		Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
United States												
November 2018	2.117	1.885	1.688	2.534	2.250	1.899	2.764	NA	2.062	2.210	1.908	1.733
October 2018	2.361	2.147	2.046	2.725	2.451	2.261	2.962	NA	2.419	2.445	2.172	2.090
November 2017	2.054	1.887	1.767	2.345	2.044	1.935	2.558	NA	2.086	2.125	1.912	1.806
PAD District 1												
November 2018	2.030	W	1.597	2.298	W	1.765	2.515	W	1.937	2.100	W	1.637
October 2018	2.211	W	1.952	2.466	W	2.137	2.684	W	2.291	2.277	W	1.992
November 2017	1.925	NA	1.736	2.180	W	1.890	2.392	W	2.063	1.990	NA	1.775
Subdistrict 1A												
November 2018	W	W	1.648	W	-	1.814	W	-	1.904	W	W	1.681
October 2018	W	W	1.985	W	-	2.166	W	-	2.253	W	W	2.020
November 2017	W	W	1.767	W	-	1.866	W	-	2.053	W	W	1.803
Connecticut												
November 2018	-	W	1.638	-	-	1.782	-	-	1.933	-	W	1.679
October 2018	-	W	1.985	-	-	2.125	-	-	2.287	-	W	2.029
November 2017	-	W	1.763	-	-	1.887	-	-	2.099	-	W	1.813
Maine												
November 2018	-	-	1.729	-	-	W	-	-	W	-	-	1.749
October 2018	-	-	2.051	-	-	W	-	-	W	-	-	2.074
November 2017	-	-	1.803	-	-	W	-	-	W	-	-	1.825
Massachusetts												
November 2018	W	-	1.632	W	-	1.694	W	-	1.836	W	-	1.659
October 2018	W	-	1.968	W	-	2.078	W	-	2.186	W	-	1.997
November 2017	W	-	1.763	W	-	1.878	W	-	2.003	W	-	1.796
New Hampshire												
November 2018	W	-	W	W	-	-	W	-	W	W	-	W
October 2018	W	-	W	W	-	-	W	-	W	W	-	W
November 2017	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
November 2018	W	-	1.648	W	-	1.725	W	-	1.884	W	-	1.680
October 2018	W	-	W	W	-	-	W	-	2.208	W	-	2.001
November 2017	W	-	NA	W	-	W	W	-	W	W	-	W
Vermont												
November 2018	-	-	W	-	-	W	-	-	1.952	-	-	W
October 2018	-	-	1.975	-	-	W	-	-	2.290	-	-	W
November 2017	-	-	W	-	-	W	-	-	2.051	-	-	1.795
Subdistrict 1B												
November 2018	2.087	-	1.619	2.321	-	1.748	2.519	-	1.908	2.160	-	1.655
October 2018	2.242	-	1.954	2.475	-	2.089	2.674	-	2.244	2.314	-	1.991
November 2017	1.963	-	1.749	2.195	-	1.856	2.384	-	2.007	2.036	-	1.782
Delaware												
November 2018	W	-	1.620	W	-	1.773	W	-	1.833	W	-	1.642
October 2018	W	-	1.957	W	-	2.081	W	-	2.185	W	-	1.982
November 2017	W	-	1.743	W	-	1.865	W	-	1.945	W	-	1.764
District of Columbia												
November 2018	-	-	-	-	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
November 2018	-	-	1.578	-	-	1.663	-	-	1.823	-	-	1.613
October 2018	-	-	1.947	-	-	2.042	-	-	2.201	-	-	1.983
November 2017	-	-	1.726	-	-	1.811	-	-	1.962	-	-	1.758
New Jersey												
November 2018	W	-	1.606	W	-	1.741	W	-	1.850	W	-	1.634
October 2018	W	-	1.930	W	-	2.063	W	-	2.182	W	-	1.961
November 2017	W	-	1.734	W	-	1.864	W	-	1.974	W	-	1.764
New York												
November 2018	2.146	-	1.687	2.368	-	2.007	2.565	-	2.033	2.219	-	1.744
October 2018	2.279	-	1.997	2.501	-	2.296	2.701	-	2.337	2.353	-	2.052
November 2017	1.995	-	1.771	2.211	-	1.989	2.398	-	2.077	2.067	-	1.821
Pennsylvania												
November 2018	W	-	1.595	W	-	1.743	W	-	1.864	W	-	1.619
October 2018	W	-	1.945	W	-	2.087	W	-	2.229	W	-	1.971
November 2017	W	-	1.759	W	-	1.854	W	-	1.992	W	-	1.782

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades			
	Sales to end users		Sales to end users			Sales to end users		Sales to end users		Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
Subdistrict 1C												
November 2018	W	W	1.577	W	W	1.766	W	W	1.961	W	W	1.621
October 2018	W	W	1.946	W	W	2.150	W	W	2.328	W	W	1.989
November 2017	W	NA	1.724	W	W	1.903	W	W	2.104	W	W	1.768
Florida												
November 2018	W	1.622	1.607	W	-	1.817	W	W	2.004	W	1.628	1.657
October 2018	W	2.019	1.976	W	-	2.213	W	W	2.363	W	2.025	2.024
November 2017	W	W	1.762	W	-	1.967	W	W	2.145	W	W	1.811
Georgia												
November 2018	W	W	1.559	W	-	1.719	W	-	1.971	W	W	1.605
October 2018	W	W	1.931	W	-	2.103	W	-	2.342	W	W	1.977
November 2017	W	W	1.694	W	-	1.861	W	-	2.115	W	W	1.742
North Carolina												
November 2018	W	W	1.553	W	-	1.760	W	W	1.939	W	W	1.595
October 2018	W	W	1.922	W	-	2.153	W	W	2.319	W	W	1.965
November 2017	W	-	1.702	W	-	1.893	W	-	2.089	W	-	1.745
South Carolina												
November 2018	W	W	1.560	W	W	1.796	W	W	1.951	W	W	1.596
October 2018	W	W	1.917	W	W	2.166	W	W	2.316	W	W	1.953
November 2017	W	W	1.697	W	W	1.931	W	W	2.088	W	W	1.733
Virginia												
November 2018	-	-	1.580	-	-	1.705	-	-	1.888	-	-	1.618
October 2018	-	-	1.949	-	-	2.070	-	-	2.254	-	-	1.986
November 2017	W	-	1.728	W	-	1.853	W	-	2.028	W	-	1.765
West Virginia												
November 2018	W	W	1.591	W	-	1.808	W	-	1.988	W	W	1.610
October 2018	W	W	1.973	W	-	2.165	W	-	2.328	W	W	1.993
November 2017	W	W	1.736	W	-	1.915	W	-	2.208	W	W	1.760
PAD District 2												
November 2018	W	1.903	1.595	W	W	1.742	W	2.037	1.940	W	1.917	1.622
October 2018	W	2.094	1.953	2.473	W	2.103	W	2.450	2.299	W	2.121	1.981
November 2017	W	1.821	1.741	2.265	W	1.877	W	2.208	2.091	W	1.856	1.770
Illinois												
November 2018	W	1.902	1.594	W	-	1.748	W	-	1.959	W	1.902	1.630
October 2018	W	2.181	1.940	W	-	2.088	W	-	2.280	W	2.181	1.973
November 2017	W	2.011	1.781	W	-	1.928	W	-	2.161	W	2.011	1.817
Indiana												
November 2018	W	W	1.574	W	-	1.767	W	-	1.975	W	W	1.600
October 2018	W	W	1.931	W	-	2.109	W	W	2.325	W	W	1.957
November 2017	W	W	1.731	W	-	1.945	W	-	2.150	W	W	1.760
Iowa												
November 2018	-	W	1.613	-	-	1.734	-	-	1.914	-	W	1.639
October 2018	-	W	1.991	-	-	2.103	-	-	2.307	-	W	2.022
November 2017	-	W	1.750	-	-	1.855	-	-	2.010	-	W	1.778
Kansas												
November 2018	W	W	1.578	W	W	1.695	-	-	1.803	W	W	1.596
October 2018	W	W	1.956	W	W	2.070	-	-	2.170	W	W	1.973
November 2017	W	W	1.691	W	W	1.810	-	-	1.933	W	W	1.709
Kentucky												
November 2018	W	W	1.612	W	-	1.788	W	W	2.008	W	W	1.635
October 2018	W	W	1.981	W	-	2.142	W	W	2.373	W	W	2.004
November 2017	W	W	1.770	W	-	1.939	W	W	2.169	W	W	1.794
Michigan												
November 2018	W	W	1.606	W	-	1.892	W	W	2.072	W	W	1.633
October 2018	W	W	1.940	W	-	2.243	W	W	2.424	W	W	1.969
November 2017	W	W	1.773	W	-	2.007	W	W	2.274	W	W	1.801
Minnesota												
November 2018	2.094	W	1.625	2.317	W	1.715	2.565	W	1.824	2.139	W	1.643
October 2018	2.320	W	1.988	2.536	W	2.063	W	W	2.228	2.364	W	2.009
November 2017	W	W	1.749	W	W	1.824	W	-	1.973	W	W	1.768
Missouri												
November 2018	-	W	1.605	-	-	1.755	-	-	1.906	-	W	1.627
October 2018	-	W	1.970	-	-	2.099	-	-	2.260	-	W	1.992
November 2017	-	W	1.750	-	-	1.873	-	-	2.110	-	W	1.776

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades			
	Sales to end users		Sales to end users			Sales to end users		Sales to end users	Sales to end users		Sales to end users	
	Through retail outlets	Other end users[a]	Sales for resale									
PAD District 2 (cont.)												
Nebraska												
November 2018	W	W	1.621	W	-	1.751	-	-	1.923	W	W	1.651
October 2018	W	W	1.992	W	-	2.109	-	-	2.275	W	W	2.020
November 2017	W	W	1.750	W	-	1.885	-	-	2.036	W	W	1.778
North Dakota												
November 2018	W	W	1.605	W	W	1.733	W	W	1.983	W	W	1.639
October 2018	W	W	2.002	W	W	2.149	W	W	2.388	W	W	2.038
November 2017	W	W	1.736	W	W	1.882	W	W	2.149	W	W	1.776
Ohio												
November 2018	W	W	1.601	W	-	1.834	W	W	2.027	W	W	1.630
October 2018	W	W	1.940	W	-	2.184	W	W	2.369	W	W	1.971
November 2017	W	W	1.733	W	-	1.959	W	W	2.203	W	W	1.765
Oklahoma												
November 2018	W	W	1.597	W	-	1.744	W	-	1.813	W	W	1.621
October 2018	W	W	1.995	W	-	2.137	W	-	2.209	W	W	2.023
November 2017	W	W	1.743	W	-	1.888	W	-	1.939	W	W	1.777
South Dakota												
November 2018	W	W	1.684	W	W	1.775	W	W	1.993	W	W	1.711
October 2018	W	W	2.047	W	W	2.105	W	W	2.334	W	W	2.071
November 2017	W	W	1.737	W	W	1.793	W	W	2.027	W	W	1.759
Tennessee												
November 2018	W	W	1.546	W	-	1.684	W	W	1.892	W	W	1.575
October 2018	W	W	1.914	W	-	2.072	W	W	2.265	W	W	1.945
November 2017	W	W	1.677	W	-	1.837	W	W	2.026	W	W	1.708
Wisconsin												
November 2018	W	W	1.598	W	-	1.740	W	W	2.033	W	W	1.628
October 2018	W	W	1.969	W	-	2.098	W	W	2.378	W	W	1.999
November 2017	W	W	1.739	W	-	1.886	W	W	2.144	W	W	1.767
PAD District 3												
November 2018	2.105	1.785	1.585	2.368	W	1.710	2.604	2.092	1.843	2.166	1.835	1.610
October 2018	2.377	W	1.961	2.629	W	2.095	2.872	2.355	2.223	2.434	W	1.985
November 2017	NA	1.784	1.715	2.263	-	1.837	2.471	W	1.954	2.106	1.816	1.739
Alabama												
November 2018	-	W	1.547	-	-	1.768	-	W	1.973	-	W	1.583
October 2018	-	W	1.924	-	-	2.195	-	W	2.353	-	W	1.961
November 2017	-	W	1.674	-	-	1.897	-	W	2.109	-	W	1.713
Arkansas												
November 2018	-	-	1.593	-	-	1.771	-	-	1.872	-	-	1.617
October 2018	-	-	1.961	-	-	2.141	-	-	2.269	-	-	1.985
November 2017	-	-	1.717	-	-	1.856	-	-	2.026	-	-	1.741
Louisiana												
November 2018	-	W	1.591	-	-	1.690	-	-	1.808	-	W	1.613
October 2018	-	W	1.961	-	-	2.064	-	-	2.188	-	W	1.985
November 2017	-	W	1.705	-	-	1.826	-	-	1.858	-	W	1.725
Mississippi												
November 2018	-	-	1.580	-	-	1.715	-	-	1.946	-	-	1.603
October 2018	-	-	1.973	-	-	2.116	-	-	2.333	-	-	1.994
November 2017	-	-	1.703	-	-	1.838	-	-	2.089	-	-	1.723
New Mexico												
November 2018	2.124	W	1.716	2.380	-	1.851	W	W	2.057	2.194	W	1.758
October 2018	2.388	W	2.058	2.617	-	2.184	W	W	2.401	2.452	W	2.099
November 2017	2.077	W	1.770	2.252	-	1.904	W	W	2.108	2.129	W	1.810
Texas												
November 2018	W	W	1.584	W	W	1.684	W	-	1.818	W	W	1.607
October 2018	W	W	1.960	W	W	2.055	W	-	2.197	W	W	1.981
November 2017	W	W	1.721	W	-	1.821	W	-	1.944	W	W	1.743

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades			
	Sales to end users		Sales to end users			Sales to end users		Sales to end users		Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
PAD District 4												
November 2018	W	2.127	1.904	W	W	2.185	2.829	W	2.258	W	2.206	1.968
October 2018	W	2.386	2.173	2.733	W	2.402	3.010	W	2.509	W	2.434	2.234
November 2017	W	1.974	1.777	2.318	W	1.936	2.582	W	2.093	W	2.022	1.833
Colorado												
November 2018	W	2.136	1.756	2.548	W	1.997	W	W	2.156	2.401	2.201	1.828
October 2018	W	2.428	2.141	2.768	W	2.364	W	W	2.540	2.623	2.448	2.211
November 2017	W	2.049	1.828	2.379	W	1.960	W	W	2.213	2.247	2.068	1.891
Idaho												
November 2018	W	W	2.065	W	W	NA	W	W	2.310	W	W	2.101
October 2018	W	W	2.290	W	W	2.403	W	NA	2.534	W	W	2.325
November 2017	W	W	1.802	W	-	1.908	W	W	2.041	W	W	1.837
Montana												
November 2018	W	W	1.775	W	W	W	W	W	2.242	W	W	1.845
October 2018	W	W	2.172	W	W	W	W	W	2.629	W	W	2.241
November 2017	W	W	1.860	W	W	W	W	W	2.316	W	W	1.942
Utah												
November 2018	W	W	2.139	W	W	2.460	W	-	2.377	W	W	2.194
October 2018	W	W	2.190	W	W	2.475	W	-	2.430	W	W	2.246
November 2017	W	W	1.659	W	W	1.906	W	-	1.893	W	W	1.713
Wyoming												
November 2018	W	W	1.894	W	-	2.034	W	-	W	W	W	1.950
October 2018	W	W	2.091	W	-	2.290	W	-	W	W	W	2.147
November 2017	W	W	1.710	W	-	1.887	W	-	W	W	W	1.766
PAD District 5												
November 2018	2.764	2.317	2.077	2.979	2.526	2.270	3.109	2.492	2.339	2.847	2.334	2.127
October 2018	2.905	2.538	2.436	3.103	2.728	2.627	3.259	2.765	2.708	2.986	2.558	2.487
November 2017	2.392	2.135	1.929	2.561	W	2.099	2.699	2.427	2.182	2.466	2.153	1.977
Alaska												
November 2018	W	W	W	W	-	W	W	W	2.441	W	W	W
October 2018	W	W	W	W	-	W	W	W	2.716	W	W	W
November 2017	W	W	W	W	-	W	W	W	2.472	W	W	W
Arizona												
November 2018	W	W	1.917	W	W	NA	W	W	2.146	W	W	1.948
October 2018	W	W	2.216	W	W	2.476	W	W	2.477	W	W	2.248
November 2017	W	W	1.792	W	W	1.960	W	W	2.008	W	W	1.819
California												
November 2018	2.849	NA	2.165	3.025	W	2.261	3.144	-	2.389	2.927	NA	2.213
October 2018	2.987	NA	2.527	3.160	W	2.661	3.294	-	2.766	3.066	NA	2.578
November 2017	2.443	W	1.984	2.594	W	2.118	2.714	-	2.227	2.516	W	2.036
Hawaii												
November 2018	W	W	W	W	W	W	W	W	W	W	W	W
October 2018	W	W	W	W	W	W	W	W	W	W	W	W
November 2017	W	W	W	W	W	W	W	W	W	W	W	W
Nevada												
November 2018	W	W	2.073	W	-	NA	W	-	2.315	W	W	2.128
October 2018	W	W	2.300	W	-	2.499	W	-	2.536	W	W	2.349
November 2017	W	W	1.778	W	-	1.926	W	W	1.994	W	1.952	1.825
Oregon												
November 2018	2.691	-	1.937	2.895	-	2.125	3.012	-	2.215	2.741	-	1.967
October 2018	2.776	-	2.299	2.968	-	2.484	3.100	-	2.574	2.825	-	2.330
November 2017	2.319	-	1.855	2.493	-	2.016	2.608	-	2.100	2.364	-	1.883
Washington												
November 2018	2.559	W	1.948	2.794	W	2.153	2.956	W	2.256	2.618	W	1.998
October 2018	2.662	W	2.368	2.892	W	2.581	3.122	W	2.670	2.728	W	2.418
November 2017	2.199	W	1.874	2.397	W	2.056	2.538	W	2.149	2.255	W	1.919

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
November 2018	W	2.762	2.162	2.101	W	2.206
October 2018	W	3.099	2.349	2.296	W	2.437
November 2017	W	2.841	1.831	1.795	W	1.961
PAD District 1						
November 2018	W	2.780	2.155	2.115	W	2.349
October 2018	W	3.170	2.327	2.310	W	2.482
November 2017	W	2.853	1.842	1.841	W	2.110
Subdistrict 1A						
November 2018	W	W	2.220	2.127	W	W
October 2018	-	W	2.387	2.332	W	-
November 2017	W	W	1.927	1.887	W	W
Connecticut						
November 2018	-	-	W	W	-	W
October 2018	-	-	W	W	-	-
November 2017	-	-	W	W	-	W
Maine						
November 2018	W	W	W	W	-	-
October 2018	-	W	W	W	-	-
November 2017	-	W	W	W	-	-
Massachusetts						
November 2018	-	-	W	2.119	W	-
October 2018	-	-	W	2.328	W	-
November 2017	-	-	W	1.884	W	-
New Hampshire						
November 2018	-	-	W	W	W	-
October 2018	-	-	W	W	W	-
November 2017	-	-	W	W	W	-
Rhode Island						
November 2018	-	-	W	W	W	-
October 2018	-	-	W	W	W	-
November 2017	-	-	W	W	W	-
Vermont						
November 2018	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
November 2017	W	-	W	W	-	-
Subdistrict 1B						
November 2018	-	2.847	2.197	2.111	W	2.285
October 2018	W	3.236	2.326	2.288	3.194	2.442
November 2017	-	2.906	1.835	1.831	2.866	2.062
Delaware						
November 2018	-	-	-	-	W	-
October 2018	-	-	-	-	W	-
November 2017	-	-	-	-	W	-
District of Columbia						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Maryland						
November 2018	-	-	W	2.118	-	W
October 2018	-	-	W	2.311	-	W
November 2017	-	-	W	1.788	-	W
New Jersey						
November 2018	-	-	2.156	2.122	W	W
October 2018	-	-	2.321	2.283	W	2.441
November 2017	-	W	1.835	1.823	W	W
New York						
November 2018	-	W	2.241	2.223	W	W
October 2018	-	W	2.333	2.383	W	2.564
November 2017	-	W	1.844	1.894	W	W
Pennsylvania						
November 2018	-	W	W	2.019	W	W
October 2018	W	W	W	2.312	3.270	-
November 2017	-	W	W	1.843	2.914	2.382

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
November 2018	W	2.752	2.110	2.118	W	2.509
October 2018	W	3.141	2.323	2.341	W	2.724
November 2017	W	2.831	1.838	1.853	W	2.185
Florida						
November 2018	-	2.728	2.099	2.107	W	-
October 2018	-	3.097	2.324	2.351	W	-
November 2017	-	2.787	W	1.862	W	W
Georgia						
November 2018	W	W	W	W	-	W
October 2018	W	W	W	2.276	-	W
November 2017	W	W	W	1.794	-	W
North Carolina						
November 2018	-	W	W	2.162	W	W
October 2018	-	W	W	2.315	W	W
November 2017	-	W	W	W	W	2.179
South Carolina						
November 2018	-	-	W	2.162	W	W
October 2018	-	-	W	2.351	W	W
November 2017	-	-	W	1.816	W	2.125
Virginia						
November 2018	-	W	2.128	W	-	W
October 2018	-	W	2.308	W	-	W
November 2017	-	W	1.791	W	-	W
West Virginia						
November 2018	-	-	W	W	W	-
October 2018	-	-	W	W	W	-
November 2017	-	-	W	W	W	-
PAD District 2						
November 2018	W	2.770	2.151	2.059	W	2.719
October 2018	W	3.139	2.358	2.318	W	2.787
November 2017	W	2.839	1.824	1.819	W	2.430
Illinois						
November 2018	W	W	2.228	W	W	W
October 2018	W	W	2.409	W	W	W
November 2017	-	W	1.866	W	W	W
Indiana						
November 2018	-	-	2.088	2.089	W	2.869
October 2018	-	-	2.345	2.359	W	2.965
November 2017	-	-	1.770	1.819	W	2.724
Iowa						
November 2018	-	-	W	2.129	-	W
October 2018	-	-	W	2.376	-	-
November 2017	-	-	1.997	1.894	-	-
Kansas						
November 2018	W	W	W	W	-	W
October 2018	W	W	W	W	-	W
November 2017	W	W	NA	W	-	W
Kentucky						
November 2018	-	W	2.108	W	W	W
October 2018	-	W	2.316	W	W	W
November 2017	-	W	1.806	1.792	W	W
Michigan						
November 2018	W	-	W	2.032	W	W
October 2018	W	-	W	2.305	W	W
November 2017	-	-	1.880	1.777	W	W
Minnesota						
November 2018	W	W	2.072	W	W	W
October 2018	W	W	2.322	W	W	W
November 2017	W	W	W	W	W	W
Missouri						
November 2018	W	-	W	W	-	-
October 2018	W	W	W	W	-	W
November 2017	W	-	W	W	-	W

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
November 2018	W	-	W	W	-	-
October 2018	W	-	W	W	-	-
November 2017	W	-	W	W	-	-
North Dakota						
November 2018	-	-	W	W	W	-
October 2018	-	-	W	W	W	-
November 2017	-	-	W	W	-	W
Ohio						
November 2018	W	W	2.169	2.041	W	W
October 2018	W	W	2.368	2.290	W	W
November 2017	-	W	1.817	1.780	W	W
Oklahoma						
November 2018	W	-	W	2.140	-	W
October 2018	W	-	W	2.352	-	W
November 2017	W	-	W	1.879	-	W
South Dakota						
November 2018	-	-	W	-	W	-
October 2018	W	-	W	-	-	-
November 2017	-	-	W	-	-	W
Tennessee						
November 2018	-	W	W	2.135	W	W
October 2018	W	3.154	W	2.336	W	W
November 2017	W	W	W	1.811	W	2.160
Wisconsin						
November 2018	-	-	2.248	W	W	W
October 2018	-	-	2.430	W	W	W
November 2017	-	-	W	W	W	2.364
PAD District 3						
November 2018	W	2.558	2.102	2.081	-	2.096
October 2018	W	2.929	2.321	2.258	-	2.313
November 2017	W	2.643	1.802	1.753	-	1.793
Alabama						
November 2018	-	W	2.140	2.073	-	W
October 2018	-	W	2.344	2.335	-	W
November 2017	W	-	1.826	1.804	-	W
Arkansas						
November 2018	W	-	W	2.229	-	-
October 2018	-	-	W	2.420	-	-
November 2017	W	-	W	1.942	-	W
Louisiana						
November 2018	-	2.611	2.129	2.063	-	W
October 2018	W	3.014	2.277	2.243	-	W
November 2017	-	-	1.765	1.739	-	W
Mississippi						
November 2018	-	W	NA	2.170	-	W
October 2018	-	W	2.278	2.242	-	W
November 2017	-	W	1.773	1.730	-	W
New Mexico						
November 2018	W	-	W	W	-	-
October 2018	W	-	W	W	-	-
November 2017	W	-	W	W	-	-
Texas						
November 2018	W	W	2.117	2.074	-	-
October 2018	W	W	2.336	2.268	-	W
November 2017	W	W	1.811	1.761	-	2.049

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
November 2018	W	W	2.244	2.200	-	-
October 2018	W	W	2.440	2.399	-	-
November 2017	W	W	1.890	1.862	W	-
Colorado						
November 2018	W	-	2.201	2.156	-	-
October 2018	W	-	2.380	2.363	-	-
November 2017	W	-	1.834	NA	-	-
Idaho						
November 2018	-	-	W	2.317	-	-
October 2018	-	-	W	2.512	W	-
November 2017	-	-	W	1.991	-	-
Montana						
November 2018	W	W	W	W	-	-
October 2018	-	W	W	W	-	-
November 2017	-	W	W	W	-	-
Utah						
November 2018	W	W	2.272	2.315	-	-
October 2018	W	W	2.460	2.475	-	-
November 2017	W	W	1.881	1.864	-	-
Wyoming						
November 2018	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
PAD District 5						
November 2018	W	2.995	2.193	2.150	-	W
October 2018	W	3.142	2.360	2.343	-	W
November 2017	W	3.082	1.841	1.822	W	W
Alaska						
November 2018	W	-	W	W	-	-
October 2018	W	W	W	W	-	-
November 2017	W	W	W	W	-	-
Arizona						
November 2018	W	W	2.237	2.262	-	-
October 2018	W	W	2.391	2.387	-	-
November 2017	W	W	1.879	1.872	-	-
California						
November 2018	W	2.995	2.171	2.137	-	W
October 2018	W	W	2.352	2.325	-	W
November 2017	-	3.092	1.831	1.810	-	W
Hawaii						
November 2018	-	W	W	W	-	-
October 2018	-	W	W	W	-	-
November 2017	-	W	W	W	-	-
Nevada						
November 2018	-	-	W	W	-	-
October 2018	-	-	W	2.369	-	-
November 2017	-	-	W	W	-	-
Oregon						
November 2018	-	3.056	2.248	W	-	-
October 2018	-	3.452	2.403	2.387	-	-
November 2017	-	3.171	W	1.866	-	-
Washington						
November 2018	-	W	2.200	2.102	-	-
October 2018	-	W	2.342	2.384	-	-
November 2017	-	W	1.846	1.849	W	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 33. Refiner prices of distillate fuels by PAD District and state
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
November 2018	2.719	2.449	2.284	2.128	-	W
October 2018	2.850	2.665	2.501	2.373	-	W
November 2017	2.466	2.284	2.048	1.926	-	W
PAD District 1						
November 2018	-	W	2.362	2.115	-	-
October 2018	-	W	2.514	2.340	-	-
November 2017	-	2.013	2.092	1.905	-	-
Subdistrict 1A						
November 2018	-	W	W	2.069	-	-
October 2018	-	-	W	2.353	-	-
November 2017	-	W	W	1.908	-	-
Connecticut						
November 2018	-	-	W	2.057	-	-
October 2018	-	-	W	2.327	-	-
November 2017	-	-	W	1.857	-	-
Maine						
November 2018	-	-	-	W	-	-
October 2018	-	-	-	W	-	-
November 2017	-	-	-	1.943	-	-
Massachusetts						
November 2018	-	-	W	2.096	-	-
October 2018	-	-	W	2.371	-	-
November 2017	-	-	W	1.918	-	-
New Hampshire						
November 2018	-	W	W	W	-	-
October 2018	-	-	W	W	-	-
November 2017	-	W	W	W	-	-
Rhode Island						
November 2018	-	-	W	NA	-	-
October 2018	-	-	W	NA	-	-
November 2017	-	-	W	1.906	-	-
Vermont						
November 2018	-	-	-	W	-	-
October 2018	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
Subdistrict 1B						
November 2018	-	W	W	2.145	-	-
October 2018	-	W	W	2.327	-	-
November 2017	-	W	W	1.886	-	-
Delaware						
November 2018	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
November 2017	-	-	W	1.877	-	-
District of Columbia						
November 2018	-	-	-	W	-	-
October 2018	-	-	-	W	-	-
November 2017	-	-	-	W	-	-
Maryland						
November 2018	-	-	W	2.070	-	-
October 2018	-	-	W	2.331	-	-
November 2017	-	-	W	1.906	-	-
New Jersey						
November 2018	-	-	2.366	2.173	-	-
October 2018	-	-	2.542	2.318	-	-
November 2017	-	W	2.037	1.871	-	-
New York						
November 2018	-	W	2.563	2.154	-	-
October 2018	-	W	2.651	2.374	-	-
November 2017	-	W	2.212	1.920	-	-
Pennsylvania						
November 2018	-	W	2.363	2.107	-	-
October 2018	-	W	2.505	2.324	-	-
November 2017	-	W	2.054	1.895	-	-

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
November 2018	-	W	2.313	2.079	-	-
October 2018	-	W	2.484	2.355	-	-
November 2017	-	W	2.089	1.933	-	-
Florida						
November 2018	-	-	2.311	2.094	-	-
October 2018	-	-	2.507	2.382	-	-
November 2017	-	-	2.062	1.957	-	-
Georgia						
November 2018	-	W	2.068	2.068	-	-
October 2018	-	W	2.371	2.349	-	-
November 2017	-	W	1.917	1.917	-	-
North Carolina						
November 2018	-	-	2.359	2.066	-	-
October 2018	-	-	2.483	2.334	-	-
November 2017	-	-	2.134	1.914	-	-
South Carolina						
November 2018	-	-	W	2.063	-	-
October 2018	-	-	W	2.333	-	-
November 2017	-	-	W	1.928	-	-
Virginia						
November 2018	-	-	W	2.078	-	-
October 2018	-	-	W	2.336	-	-
November 2017	-	-	2.044	1.913	-	-
West Virginia						
November 2018	-	-	W	2.121	-	-
October 2018	-	-	W	2.387	-	-
November 2017	-	-	W	1.979	-	-
PAD District 2						
November 2018	2.812	2.437	2.252	2.124	-	-
October 2018	2.938	2.653	2.488	2.391	-	-
November 2017	2.325	2.268	2.051	1.973	-	W
Illinois						
November 2018	W	2.497	2.441	2.101	-	-
October 2018	W	2.715	2.593	2.366	-	-
November 2017	W	2.459	W	1.975	-	-
Indiana						
November 2018	-	W	W	2.141	-	-
October 2018	-	W	W	2.374	-	-
November 2017	-	W	W	1.978	-	-
Iowa						
November 2018	-	2.408	2.208	2.154	-	-
October 2018	-	2.620	2.478	2.437	-	-
November 2017	-	2.205	2.018	1.984	-	-
Kansas						
November 2018	W	2.363	2.072	2.093	-	-
October 2018	W	2.616	2.375	2.393	-	-
November 2017	W	2.193	1.903	1.937	-	-
Kentucky						
November 2018	W	W	2.217	2.135	-	-
October 2018	W	W	2.461	2.406	-	-
November 2017	-	W	W	1.984	-	W
Michigan						
November 2018	W	2.893	2.484	2.167	-	-
October 2018	W	W	2.611	2.398	-	-
November 2017	W	2.678	W	1.996	-	-
Minnesota						
November 2018	W	2.465	2.303	2.183	-	-
October 2018	W	2.705	2.558	2.492	-	-
November 2017	W	2.248	2.087	2.012	-	-
Missouri						
November 2018	W	2.469	W	2.109	-	-
October 2018	W	2.700	2.389	2.414	-	-
November 2017	-	2.244	W	1.968	-	-

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
November 2018	W	2.397	W	2.162	-	-
October 2018	W	2.689	W	2.441	-	-
November 2017	W	2.232	W	1.990	-	-
North Dakota						
November 2018	W	2.407	W	2.188	-	-
October 2018	W	2.628	W	2.437	-	-
November 2017	2.322	2.306	W	2.062	-	-
Ohio						
November 2018	-	W	2.355	2.121	-	-
October 2018	-	W	2.531	2.377	-	-
November 2017	-	W	W	1.987	-	-
Oklahoma						
November 2018	-	W	W	2.092	-	-
October 2018	-	W	W	2.359	-	-
November 2017	-	2.063	1.926	1.918	-	-
South Dakota						
November 2018	W	2.442	W	2.219	-	-
October 2018	W	2.692	W	2.459	-	-
November 2017	W	2.266	W	2.019	-	-
Tennessee						
November 2018	-	-	2.234	2.065	-	-
October 2018	-	W	2.461	2.343	-	-
November 2017	-	W	2.052	1.939	-	-
Wisconsin						
November 2018	W	2.515	2.415	2.171	-	-
October 2018	W	2.606	2.636	2.412	-	-
November 2017	W	2.246	2.264	2.006	-	-
PAD District 3						
Alabama						
November 2018	-	W	2.134	2.085	-	W
October 2018	-	W	2.391	2.315	-	W
November 2017	-	W	1.931	1.832	-	W
Arkansas						
November 2018	-	-	W	2.073	-	-
October 2018	-	-	W	2.367	-	-
November 2017	-	-	W	1.930	-	-
Louisiana						
November 2018	-	W	2.193	2.104	-	-
October 2018	-	W	2.419	2.285	-	-
November 2017	-	W	1.964	1.799	-	-
Mississippi						
November 2018	-	-	W	2.059	-	-
October 2018	-	-	W	2.319	-	-
November 2017	-	-	W	1.821	-	-
New Mexico						
November 2018	-	-	2.245	2.207	-	-
October 2018	-	-	2.489	2.456	-	-
November 2017	-	-	2.007	2.048	-	-
Texas						
November 2018	-	-	2.115	2.079	-	W
October 2018	-	-	2.370	2.316	-	W
November 2017	-	-	1.916	1.833	-	W

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
November 2018	2.964	2.596	2.368	2.354	-	-
October 2018	3.179	2.790	2.538	2.507	-	-
November 2017	2.770	2.432	2.100	2.149	-	-
Colorado						
November 2018	-	2.542	2.327	2.257	-	-
October 2018	-	2.763	2.483	2.451	-	-
November 2017	-	2.379	2.149	2.104	-	-
Idaho						
November 2018	W	2.686	2.339	2.412	-	-
October 2018	W	2.751	2.584	2.564	-	-
November 2017	W	2.579	2.412	2.218	-	-
Montana						
November 2018	W	2.453	W	2.282	-	-
October 2018	W	2.723	W	2.520	-	-
November 2017	W	2.328	2.156	2.098	-	-
Utah						
November 2018	W	3.134	2.558	2.566	-	-
October 2018	-	W	2.611	2.588	-	-
November 2017	W	2.686	2.119	2.161	-	-
Wyoming						
November 2018	W	2.658	2.177	2.304	-	-
October 2018	W	2.766	2.429	2.456	-	-
November 2017	W	2.512	1.991	2.228	-	-
PAD District 5						
November 2018	W	2.389	2.427	2.204	-	-
October 2018	W	2.629	2.616	2.488	-	-
November 2017	W	2.298	2.121	2.065	-	-
Alaska						
November 2018	W	W	W	W	-	-
October 2018	W	W	W	W	-	-
November 2017	W	W	W	W	-	-
Arizona						
November 2018	-	-	2.335	2.303	-	-
October 2018	-	-	2.550	2.462	-	-
November 2017	-	-	2.037	2.020	-	-
California						
November 2018	-	-	2.462	2.243	-	-
October 2018	-	-	2.690	2.524	-	-
November 2017	-	-	2.120	2.060	-	-
Hawaii						
November 2018	-	-	W	W	-	-
October 2018	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
Nevada						
November 2018	-	-	W	2.197	-	-
October 2018	-	-	NA	2.441	-	-
November 2017	-	-	W	2.029	-	-
Oregon						
November 2018	-	W	2.495	2.111	-	-
October 2018	-	W	3.049	2.414	-	-
November 2017	-	W	2.289	2.100	-	-
Washington						
November 2018	W	W	2.252	2.107	-	-
October 2018	-	W	2.551	2.412	-	-
November 2017	W	W	2.116	2.083	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales of No. 2 fuel oil and diesel fuels.

[b] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Volume of Petroleum Products

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state
thousand gallons per day

Geographic area month	Regular						Midgrade					
	Sales to end users			Sales for resale			Sales to end users			Sales for resale		
	Through retail outlets	Total[a]		DTW	Rack	Bulk	Through retail outlets	Total[a]		DTW	Rack	Bulk
United States												
November 2018	20,226.7	20,523.3		16,663.0	233,643.6	14,834.7	1,668.0	1,681.5		210.0	1,694.6	-
October 2018	20,291.6	20,611.2		16,999.2	236,103.7	15,946.3	1,655.8	1,668.3		220.4	1,728.6	-
November 2017	19,908.9	20,165.9		16,979.2	231,480.8	18,382.5	1,651.0	1,667.1		253.2	1,955.5	-
PAD District 1												
November 2018	6,545.3	6,631.4		W	W	2,179.7	578.7	581.8		W	W	-
October 2018	6,553.6	6,644.5		W	W	1,543.2	568.3	571.3		W	W	-
November 2017	6,676.4	6,719.3		W	W	4,297.8	572.6	575.7		W	W	-
Subdistrict 1A												
November 2018	W	W		W	W	W	W	W		-	28.6	-
October 2018	W	W		W	W	W	W	W		-	30.5	-
November 2017	W	W		W	W	W	W	W		-	31.8	-
Connecticut												
November 2018	-	W		W	2,353.9	W	-	-		-	9.8	-
October 2018	-	W		W	2,275.9	W	-	-		-	10.5	-
November 2017	-	W		-	1,719.8	NA	-	-		-	13.2	-
Maine												
November 2018	-	-		W	W	-	-	-		-	W	-
October 2018	-	-		-	649.5	-	-	-		-	W	-
November 2017	-	-		-	616.7	-	-	-		-	W	-
Massachusetts												
November 2018	W	W		-	1,296.1	-	W	W		-	5.3	-
October 2018	W	W		-	1,229.5	-	W	W		-	5.3	-
November 2017	W	W		-	902.0	-	W	W		-	4.0	-
New Hampshire												
November 2018	W	W		W	W	-	W	W		-	-	-
October 2018	W	W		W	W	-	W	W		-	-	-
November 2017	W	W		W	W	-	W	W		-	-	-
Rhode Island												
November 2018	W	W		-	952.6	-	W	W		-	5.0	-
October 2018	W	W		-	W	-	W	W		-	W	-
November 2017	W	W		-	W	W	W	W		-	W	-
Vermont												
November 2018	-	-		W	81.6	-	-	-		-	W	-
October 2018	-	-		W	W	-	-	-		-	W	-
November 2017	-	-		W	85.0	-	-	-		-	W	-
Subdistrict 1B												
November 2018	3,441.0	3,441.0		W	21,321.2	W	357.0	357.0		W	W	-
October 2018	3,329.5	3,329.5		W	21,607.1	W	342.1	342.1		W	W	-
November 2017	3,212.7	3,212.7		W	21,727.5	W	338.2	338.2		W	W	-
Delaware												
November 2018	W	W		-	1,017.5	-	W	W		-	7.4	-
October 2018	W	W		-	1,070.4	-	W	W		-	9.2	-
November 2017	W	W		-	1,009.9	-	W	W		-	9.1	-
District of Columbia												
November 2018	-	-		-	-	-	-	-		-	-	-
October 2018	-	-		-	-	-	-	-		-	-	-
November 2017	-	-		-	-	-	-	-		-	-	-
Maryland												
November 2018	-	-		-	3,786.7	-	-	-		-	44.9	-
October 2018	-	-		-	3,690.4	-	-	-		-	52.9	-
November 2017	-	-		W	W	-	-	-		-	56.7	-
New Jersey												
November 2018	W	W		W	W	1,111.6	W	W		W	W	-
October 2018	W	W		W	W	6,865.1	W	W		W	W	-
November 2017	W	W		W	W	1,097.1	W	W		W	W	-
New York												
November 2018	2,153.8	2,153.8		W	4,775.9	W	233.2	233.2		W	W	-
October 2018	2,011.6	2,011.6		W	W	W	218.4	218.4		W	W	-
November 2017	1,961.8	1,961.8		W	W	W	216.3	216.3		W	W	-
Pennsylvania												
November 2018	W	W		-	W	W	W	W		-	16.8	-
October 2018	W	W		-	W	W	W	W		-	19.1	-
November 2017	W	W		-	W	W	W	W		-	26.3	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users		Sales for resale			Through retail outlets	Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk		Total[a]	DTW	Rack	Bulk		
United States												
November 2018	2,405.2	2,435.6	4,665.5	28,566.7	1,667.5	24,300.0	24,640.4	21,538.5	263,904.8	16,502.2		
October 2018	2,401.2	2,432.7	4,666.2	28,576.2	1,926.4	24,348.6	24,712.2	21,885.8	266,408.6	17,872.7		
November 2017	2,421.0	2,443.3	4,642.8	28,607.8	2,471.6	23,980.9	24,276.3	21,875.2	262,044.1	20,854.1		
PAD District 1												
November 2018	821.7	836.6	W	9,033.7	W	7,945.6	8,049.8	W	78,465.1	W		
October 2018	796.4	812.0	W	9,075.2	W	7,918.3	8,027.8	W	79,071.5	W		
November 2017	817.3	823.6	W	9,061.2	W	8,066.2	8,118.5	W	77,294.7	W		
Subdistrict 1A												
November 2018	W	W	W	783.1	W	W	W	W	W	W		
October 2018	W	W	W	780.9	W	W	W	W	W	W		
November 2017	W	W	W	W	-	W	W	W	W	W		
Connecticut												
November 2018	-	-	W	388.8	W	-	W	W	2,752.4	W		
October 2018	-	-	W	389.0	W	-	W	W	2,675.5	W		
November 2017	-	-	-	347.3	-	-	W	-	2,080.4	NA		
Maine												
November 2018	-	-	W	38.1	-	-	-	W	W	-		
October 2018	-	-	W	W	-	-	-	-	702.8	-		
November 2017	-	-	W	45.3	-	-	-	W	W	-		
Massachusetts												
November 2018	W	W	-	199.0	-	W	W	-	1,500.3	-		
October 2018	W	W	-	189.0	-	W	W	-	1,423.9	-		
November 2017	W	W	-	143.8	-	W	W	-	1,049.8	-		
New Hampshire												
November 2018	W	W	W	W	-	W	W	W	W	-		
October 2018	W	W	W	W	-	W	W	W	W	-		
November 2017	W	W	W	W	-	W	W	W	W	-		
Rhode Island												
November 2018	W	W	-	148.2	-	W	W	-	1,105.7	-		
October 2018	W	W	-	W	-	W	W	-	1,104.6	-		
November 2017	W	W	-	W	-	W	W	-	NA	W		
Vermont												
November 2018	-	-	W	W	-	-	-	W	88.3	-		
October 2018	-	-	W	W	-	-	-	W	W	-		
November 2017	-	-	W	W	-	-	-	W	W	-		
Subdistrict 1B												
November 2018	541.1	541.1	W	W	W	4,339.1	4,339.1	W	24,383.6	W		
October 2018	515.9	515.9	W	W	W	4,187.4	4,187.4	W	24,735.0	W		
November 2017	517.5	517.5	W	W	W	4,068.4	4,068.4	W	24,886.2	W		
Delaware												
November 2018	W	W	-	112.7	-	W	W	-	1,137.7	-		
October 2018	W	W	-	123.7	-	W	W	-	1,203.3	-		
November 2017	W	W	-	113.9	-	W	W	-	1,132.8	-		
District of Columbia												
November 2018	-	-	-	-	-	-	-	-	-	-		
October 2018	-	-	-	-	-	-	-	-	-	-		
November 2017	-	-	-	-	-	-	-	-	-	-		
Maryland												
November 2018	-	-	-	612.9	-	-	-	-	4,444.5	-		
October 2018	-	-	-	585.8	-	-	-	-	4,329.1	-		
November 2017	-	-	-	640.8	-	-	-	W	W	-		
New Jersey												
November 2018	W	W	W	W	W	W	W	W	W	W	1,111.6	
October 2018	W	W	W	W	992.2	W	W	W	W	W	1,081.5	
November 2017	W	W	W	929.7	W	W	W	W	7,317.2	W		
New York												
November 2018	355.3	355.3	W	W	W	2,742.3	2,742.3	W	5,568.3	W		
October 2018	333.0	333.0	W	816.3	W	2,563.1	2,563.1	W	5,795.2	W		
November 2017	333.6	333.6	W	822.6	W	2,511.6	2,511.6	W	5,857.0	W		
Pennsylvania												
November 2018	W	W	-	W	W	W	W	-	W	W		
October 2018	W	W	-	W	W	W	W	-	W	W		
November 2017	W	W	-	W	W	W	W	-	W	W		

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular				Midgrade				
	Sales to end users		Sales for resale		Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack
Subdistrict 1C									
November 2018	W	W	-	W	W	W	W	-	422.7
October 2018	W	W	-	W	W	W	W	-	431.1
November 2017	W	W	-	W	W	W	W	-	458.5
Florida									
November 2018	W	W	-	13,563.2	-	W	W	-	131.9
October 2018	W	W	-	13,747.2	-	W	W	-	131.5
November 2017	W	W	-	13,355.9	-	W	W	-	114.0
Georgia									
November 2018	W	W	-	8,286.6	-	W	W	-	52.3
October 2018	W	W	-	8,402.4	-	W	W	-	57.0
November 2017	W	W	-	7,984.4	-	W	W	-	60.2
North Carolina									
November 2018	W	W	-	8,773.8	-	W	W	-	117.6
October 2018	W	W	-	8,717.1	-	W	W	-	118.1
November 2017	W	W	-	W	W	W	W	-	138.5
South Carolina									
November 2018	W	W	-	4,254.5	-	W	W	-	33.1
October 2018	W	W	-	4,310.9	-	W	W	-	35.4
November 2017	W	W	-	W	W	W	W	-	41.3
Virginia									
November 2018	-	-	-	W	W	-	-	-	79.7
October 2018	-	-	-	W	W	-	-	-	82.1
November 2017	W	W	-	W	W	W	W	-	96.3
West Virginia									
November 2018	W	W	-	W	W	W	W	-	8.0
October 2018	W	W	-	W	W	W	W	-	7.1
November 2017	W	W	-	637.9	-	W	W	-	8.3
PAD District 2									
November 2018	W	W	-	77,515.8	1,065.2	W	W	-	499.7
October 2018	W	W	-	78,314.1	1,267.2	312.1	319.5	-	500.6
November 2017	W	W	W	W	669.0	318.3	324.7	W	W
Illinois									
November 2018	W	W	-	W	W	W	W	-	68.2
October 2018	W	W	-	W	W	W	W	-	70.1
November 2017	W	W	-	W	W	W	W	-	78.7
Indiana									
November 2018	W	W	-	W	W	W	W	-	20.9
October 2018	W	W	-	W	W	W	W	-	21.0
November 2017	W	W	-	W	W	W	W	-	27.5
Iowa									
November 2018	-	W	-	2,527.6	-	-	-	-	52.5
October 2018	-	W	-	2,541.0	-	-	-	-	50.7
November 2017	-	W	-	2,714.6	-	-	-	-	63.2
Kansas									
November 2018	W	W	-	W	W	W	W	-	21.0
October 2018	W	W	-	W	W	W	W	-	17.0
November 2017	W	W	-	W	W	W	W	-	21.9
Kentucky									
November 2018	W	W	-	W	W	W	W	-	11.9
October 2018	W	W	-	W	W	W	W	-	13.1
November 2017	W	W	-	W	W	W	W	-	13.1
Michigan									
November 2018	W	W	-	9,970.6	-	W	W	-	14.1
October 2018	W	W	-	10,248.2	-	W	W	-	16.6
November 2017	W	W	-	9,650.1	-	W	W	-	12.5
Minnesota									
November 2018	702.7	704.7	-	5,302.3	-	37.0	40.8	-	74.8
October 2018	709.3	711.8	-	5,224.9	-	W	W	-	75.7
November 2017	W	W	W	4,718.4	W	W	W	W	W
Missouri									
November 2018	-	W	-	W	W	-	-	-	16.7
October 2018	-	W	-	W	W	-	-	-	17.8
November 2017	-	W	-	3,511.8	-	-	-	-	21.6

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users			Sales for resale			Sales to end users			Sales for resale		
	Through retail outlets	Total[a]		DTW	Rack	Bulk	Through retail outlets	Total[a]		DTW	Rack	Bulk
Subdistrict 1C												
November 2018	W	W	-	W	W	W	W	W	-	W	W	W
October 2018	W	W	-	W	W	W	W	W	-	W	W	W
November 2017	W	W	-	5,332.7	-	W	W	W	-	W	W	W
Florida												
November 2018	W	W	-	1,901.9	-	W	W	W	-	15,597.1	-	-
October 2018	W	W	-	1,891.5	-	W	W	W	-	15,770.3	-	-
November 2017	W	W	-	1,922.6	-	W	W	W	-	15,392.5	-	-
Georgia												
November 2018	W	W	-	1,025.9	-	W	W	W	-	9,364.7	-	-
October 2018	W	W	-	1,031.5	-	W	W	W	-	9,490.9	-	-
November 2017	W	W	-	1,004.1	-	W	W	W	-	9,048.7	-	-
North Carolina												
November 2018	W	W	-	1,014.0	-	W	W	W	-	9,905.4	-	-
October 2018	W	W	-	1,004.1	-	W	W	W	-	9,839.3	-	-
November 2017	W	W	-	1,026.1	-	W	W	W	-	W	W	-
South Carolina												
November 2018	W	W	-	408.6	-	W	W	W	-	4,696.2	-	-
October 2018	W	W	-	415.0	-	W	W	W	-	4,761.4	-	-
November 2017	W	W	-	435.8	-	W	W	W	-	W	W	-
Virginia												
November 2018	-	-	-	913.0	-	-	-	-	-	W	W	-
October 2018	-	-	-	912.4	-	-	-	-	-	W	W	-
November 2017	W	W	-	912.7	-	W	W	W	-	W	W	-
West Virginia												
November 2018	W	W	-	W	W	W	W	W	-	W	W	-
October 2018	W	W	-	W	W	W	W	W	-	W	W	-
November 2017	W	W	-	31.3	-	W	W	W	-	677.4	-	-
PAD District 2												
November 2018	W	W	-	6,228.7	364.3	W	W	W	-	84,244.2	1,429.5	-
October 2018	W	433.9	-	6,418.2	476.7	W	W	W	-	85,232.9	1,743.9	-
November 2017	W	W	W	6,259.1	W	W	W	8,901.2	W	83,826.7	W	-
Illinois												
November 2018	W	W	-	W	W	W	W	W	-	12,026.9	67.0	-
October 2018	W	W	-	W	W	W	W	W	-	12,060.4	90.6	-
November 2017	W	W	-	1,138.0	-	W	W	W	-	W	W	-
Indiana												
November 2018	W	W	-	W	W	W	W	W	-	W	W	-
October 2018	W	W	-	405.0	-	W	W	W	-	W	W	-
November 2017	W	W	-	W	W	W	W	W	-	W	W	-
Iowa												
November 2018	-	-	-	228.0	-	-	W	W	-	2,808.0	-	-
October 2018	-	-	-	262.3	-	-	W	W	-	2,854.0	-	-
November 2017	-	-	-	311.5	-	-	W	W	-	3,089.3	-	-
Kansas												
November 2018	-	-	-	W	W	W	W	W	-	W	W	-
October 2018	-	-	-	W	W	W	W	W	-	W	W	-
November 2017	-	-	-	W	W	W	W	W	-	W	W	-
Kentucky												
November 2018	W	W	-	W	W	W	W	W	-	W	W	-
October 2018	W	W	-	221.0	-	W	W	W	-	W	W	-
November 2017	W	W	-	204.8	-	W	W	W	-	W	W	-
Michigan												
November 2018	W	W	-	W	W	W	W	W	-	W	W	-
October 2018	W	W	-	W	W	W	W	W	-	W	W	-
November 2017	W	W	-	W	W	W	W	W	-	W	W	-
Minnesota												
November 2018	58.9	59.0	-	W	W	W	798.6	804.4	-	W	W	-
October 2018	W	W	-	W	W	W	806.8	813.4	-	W	W	-
November 2017	W	W	W	W	W	56.1	W	W	W	5,171.0	W	-
Missouri												
November 2018	-	-	-	W	W	-	W	W	-	W	W	-
October 2018	-	-	-	W	W	-	W	W	-	W	W	-
November 2017	-	-	-	258.4	-	-	W	W	-	3,791.9	-	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
November 2018	W	W	-	1,638.5	-	W	W	-	23.6	-
October 2018	W	W	-	1,561.4	-	W	W	-	14.5	-
November 2017	W	W	-	1,581.4	-	W	W	-	18.1	-
North Dakota										
November 2018	W	W	-	929.1	-	W	W	-	19.2	-
October 2018	W	W	-	950.1	-	W	W	-	18.5	-
November 2017	W	W	-	904.7	-	W	W	-	21.6	-
Ohio										
November 2018	W	W	-	10,120.4	-	W	W	-	36.0	-
October 2018	W	W	-	10,513.9	-	W	W	-	41.7	-
November 2017	W	W	-	9,886.4	-	W	W	-	46.1	-
Oklahoma										
November 2018	W	W	-	W	W	W	W	-	4.3	-
October 2018	W	W	-	W	W	W	W	-	5.6	-
November 2017	W	W	-	W	W	W	W	-	3.4	-
South Dakota										
November 2018	W	W	-	972.1	-	W	W	-	21.5	-
October 2018	W	W	-	996.3	-	W	W	-	19.0	-
November 2017	W	W	-	1,003.0	-	W	W	-	20.4	-
Tennessee										
November 2018	W	W	-	9,245.8	-	W	W	-	79.7	-
October 2018	W	W	-	9,345.0	-	W	W	-	80.7	-
November 2017	W	W	-	W	W	W	W	-	80.8	-
Wisconsin										
November 2018	W	W	-	5,310.8	-	W	W	-	35.3	-
October 2018	W	W	-	5,255.5	-	W	W	-	38.4	-
November 2017	W	W	W	W	-	W	W	W	W	-
PAD District 3										
November 2018	885.7	916.5	W	W	W	88.4	88.6	W	W	-
October 2018	911.1	944.3	W	49,444.6	W	87.5	87.7	W	W	-
November 2017	NA	921.0	W	W	W	90.0	90.0	W	W	-
Alabama										
November 2018	-	W	-	4,882.7	-	-	-	-	35.0	-
October 2018	-	W	-	4,949.0	-	-	-	-	42.9	-
November 2017	-	W	-	4,546.3	-	-	-	-	39.2	-
Arkansas										
November 2018	-	-	-	2,831.2	-	-	-	-	14.8	-
October 2018	-	-	-	2,910.5	-	-	-	-	14.1	-
November 2017	-	-	-	2,821.6	-	-	-	-	20.2	-
Louisiana										
November 2018	-	W	-	W	W	-	-	-	15.5	-
October 2018	-	W	-	W	W	-	-	-	16.5	-
November 2017	-	W	-	W	W	-	-	-	20.1	-
Mississippi										
November 2018	-	-	-	W	W	-	-	-	21.1	-
October 2018	-	-	-	W	W	-	-	-	21.2	-
November 2017	-	-	-	W	W	-	-	-	22.5	-
New Mexico										
November 2018	W	377.5	W	W	-	W	50.2	W	W	-
October 2018	W	393.2	W	W	-	W	50.5	W	W	-
November 2017	W	389.3	W	W	-	W	W	W	W	-
Texas										
November 2018	W	W	W	31,667.6	W	W	38.4	-	161.9	-
October 2018	W	W	W	31,245.9	W	W	37.2	-	145.7	-
November 2017	W	NA	W	30,427.4	W	W	W	-	197.7	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users			Sales for resale			Sales to end users			Sales for resale		
	Through retail outlets	Total[a]		DTW	Rack	Bulk	Through retail outlets	Total[a]		DTW	Rack	Bulk
PAD District 2 (cont.)												
Nebraska												
November 2018	-	-	-	168.2	-	-	W	W	-	1,830.3	-	-
October 2018	-	-	-	168.2	-	-	W	W	-	1,744.2	-	-
November 2017	-	-	-	167.2	-	-	W	W	-	1,766.7	-	-
North Dakota												
November 2018	W	W	-	87.1	-	-	W	W	-	1,035.4	-	-
October 2018	W	W	-	91.0	-	-	W	W	-	1,059.6	-	-
November 2017	W	W	-	91.1	-	-	W	W	-	1,017.4	-	-
Ohio												
November 2018	W	W	-	W	W	W	W	W	-	W	W	W
October 2018	W	W	-	W	W	W	W	W	-	W	W	W
November 2017	W	W	-	W	W	W	W	W	-	W	W	W
Oklahoma												
November 2018	W	W	-	W	W	W	W	W	-	4,265.9	952.0	-
October 2018	W	W	-	W	W	W	W	W	-	4,311.5	775.0	-
November 2017	W	W	-	W	W	W	W	W	-	4,441.2	693.0	-
South Dakota												
November 2018	W	W	-	88.0	-	-	W	W	-	1,081.6	-	-
October 2018	W	W	-	89.4	-	-	W	W	-	1,104.6	-	-
November 2017	W	W	-	78.7	-	-	W	W	-	1,102.1	-	-
Tennessee												
November 2018	W	W	-	825.8	-	-	W	W	-	10,151.3	-	-
October 2018	W	W	-	W	W	W	W	W	-	W	W	W
November 2017	W	W	-	901.0	-	-	W	W	-	W	W	W
Wisconsin												
November 2018	W	W	-	389.3	-	-	W	W	-	5,735.4	-	-
October 2018	W	W	-	412.1	-	-	W	W	-	5,705.9	-	-
November 2017	W	W	W	402.0	W	W	W	W	W	6,071.7	W	W
PAD District 3												
November 2018	82.4	88.2	W	5,341.0	W	1,056.5	1,093.3	W	55,075.6	W	W	W
October 2018	80.5	86.3	W	W	860.7	1,079.1	1,118.3	W	54,828.4	W	W	W
November 2017	87.5	93.9	W	5,249.5	W	1,057.0	1,104.9	W	53,415.6	W	W	W
Alabama												
November 2018	-	W	-	444.1	-	-	W	-	5,361.9	-	-	-
October 2018	-	W	-	449.7	-	-	W	-	5,441.7	-	-	-
November 2017	-	W	-	424.3	-	-	W	-	5,009.8	-	-	-
Arkansas												
November 2018	-	-	-	256.0	-	-	-	-	3,102.0	-	-	-
October 2018	-	-	-	230.8	-	-	-	-	3,155.5	-	-	-
November 2017	-	-	-	230.1	-	-	-	-	3,071.9	-	-	-
Louisiana												
November 2018	-	-	-	W	W	-	W	-	6,249.7	3,418.6	-	-
October 2018	-	-	-	W	W	-	W	-	6,409.2	3,719.7	-	-
November 2017	-	-	-	W	W	-	W	-	6,272.9	1,898.3	-	-
Mississippi												
November 2018	-	-	-	225.8	-	-	-	-	W	W	W	W
October 2018	-	-	-	225.6	-	-	-	-	W	W	W	W
November 2017	-	-	-	226.8	-	-	-	-	W	W	W	W
New Mexico												
November 2018	W	41.6	W	W	-	W	469.4	W	W	W	-	-
October 2018	W	41.3	W	W	-	W	485.0	W	W	W	-	-
November 2017	W	W	W	W	-	W	485.0	W	W	W	-	-
Texas												
November 2018	W	W	W	3,666.1	W	W	W	W	35,495.6	W	W	W
October 2018	W	W	W	3,473.9	W	W	W	W	34,865.5	W	W	W
November 2017	W	W	W	3,636.0	W	W	NA	W	34,261.2	W	W	W

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular						Midgrade			
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4										
November 2018	W	W	W	10,174.5	W	W	W	-	107.4	-
October 2018	W	W	W	W	W	68.9	70.1	-	115.6	-
November 2017	W	W	W	10,261.5	W	73.3	75.4	-	136.6	-
Colorado										
November 2018	W	149.7	W	W	W	40.4	41.3	-	41.9	-
October 2018	W	146.6	W	W	W	39.7	40.0	-	46.6	-
November 2017	W	147.6	W	W	W	41.5	42.4	-	57.5	-
Idaho										
November 2018	W	W	-	1,345.9	-	W	W	-	6.3	-
October 2018	W	W	-	1,438.2	-	W	W	-	6.5	-
November 2017	W	W	-	1,327.2	-	W	W	-	9.0	-
Montana										
November 2018	W	W	-	1,230.7	-	W	W	-	W	-
October 2018	W	W	-	1,248.8	-	W	W	-	W	-
November 2017	W	W	-	1,116.9	-	W	W	-	W	-
Utah										
November 2018	W	W	W	W	W	W	W	-	39.8	-
October 2018	W	W	W	W	W	W	W	-	45.6	-
November 2017	W	W	W	W	W	W	W	-	47.8	-
Wyoming										
November 2018	W	10.0	-	745.3	-	W	W	-	W	-
October 2018	W	10.5	-	883.1	-	W	W	-	W	-
November 2017	W	9.5	-	807.7	-	W	W	-	W	-
PAD District 5										
November 2018	4,126.5	4,186.3	15,279.9	27,608.0	2,708.1	609.0	609.7	201.4	266.7	-
October 2018	4,342.0	4,409.9	15,596.7	28,342.6	2,097.2	618.9	619.7	W	W	-
November 2017	3,955.5	4,024.3	15,542.4	28,755.8	1,781.0	596.8	601.2	242.9	315.1	-
Alaska										
November 2018	W	W	W	W	W	W	W	W	W	-
October 2018	W	W	W	W	W	W	W	W	W	-
November 2017	W	W	79.3	W	W	W	W	W	W	-
Arizona										
November 2018	W	W	W	4,190.3	W	W	W	W	W	-
October 2018	W	W	W	4,256.7	W	W	W	W	W	-
November 2017	W	W	W	4,310.1	W	W	W	W	W	-
California										
November 2018	2,969.7	2,970.7	11,447.1	13,488.1	1,631.3	520.7	520.9	129.3	165.2	-
October 2018	3,178.2	3,179.4	11,753.5	13,932.2	1,600.5	530.3	530.4	134.9	172.5	-
November 2017	2,829.2	2,830.9	W	14,629.7	W	505.1	505.3	149.6	200.1	-
Hawaii										
November 2018	W	W	W	W	W	W	W	W	W	-
October 2018	W	W	W	W	W	W	W	W	W	-
November 2017	W	W	W	W	W	W	W	W	W	-
Nevada										
November 2018	W	W	W	W	60.2	W	W	W	W	-
October 2018	W	W	W	1,482.5	W	W	W	W	W	-
November 2017	W	W	W	1,446.6	W	W	W	W	W	-
Oregon										
November 2018	93.9	93.9	744.1	W	W	6.0	6.0	W	W	-
October 2018	95.2	95.2	760.7	W	W	6.0	6.0	W	W	-
November 2017	93.2	93.2	785.4	W	W	6.1	6.1	W	W	-
Washington										
November 2018	334.2	339.1	W	4,855.5	W	28.9	29.1	13.8	34.4	-
October 2018	334.3	341.4	W	4,950.7	W	29.3	29.5	W	W	-
November 2017	314.6	325.5	W	4,828.7	W	30.7	31.0	W	W	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users			Sales for resale			Sales to end users			Sales for resale		
	Through retail outlets	Total[a]		DTW	Rack	Bulk	Through retail outlets	Total[a]		DTW	Rack	Bulk
PAD District 4												
November 2018	W	W		W	2,187.0		W	W		W	12,468.9	W
October 2018	W	63.5		W	W		W	W		W	12,959.5	W
November 2017	W	W		W	2,180.8		W	W	496.4	W	12,578.9	W
Colorado												
November 2018	W	29.8		W	W		-	216.0	220.8	W	5,326.5	W
October 2018	W	29.8		W	W		-	211.4	216.4	W	5,319.5	W
November 2017	W	31.5		W	W		-	216.2	221.6	W	5,430.1	W
Idaho												
November 2018	W	W		-	222.4		-	W	W	-	1,574.7	-
October 2018	W	W		-	243.4		-	W	W	-	1,688.1	-
November 2017	W	W		-	225.7		-	W	W	-	1,562.0	-
Montana												
November 2018	W	W		-	W		-	W	W	-	1,454.2	-
October 2018	W	W		-	W		-	W	W	-	1,477.8	-
November 2017	W	W		-	W		-	W	W	-	1,369.4	-
Utah												
November 2018	W	W	W	W	W	W	W	W	W	W	3,240.2	W
October 2018	W	W	W	W	W	W	W	W	W	W	3,442.3	W
November 2017	W	W	W	W	W	W	W	W	W	W	3,253.8	W
Wyoming												
November 2018	W	W	-	W	W	-	W	12.3	-	W	873.4	-
October 2018	W	W	-	W	W	-	W	13.0	-	W	1,031.8	-
November 2017	W	W	-	W	W	-	W	11.9	-	W	963.6	-
PAD District 5												
November 2018	1,004.9	1,010.6	4,296.2	5,776.3	388.7	5,740.5	5,806.7	19,777.4	33,651.0	3,096.8		
October 2018	1,031.1	1,037.0	4,293.7	W	W	5,992.1	6,066.7	W	34,316.3			
November 2017	1,023.8	1,029.8	4,254.1	5,857.3	356.9	5,576.1	5,655.4	20,039.4	34,928.2	2,137.8		
Alaska												
November 2018	W	W	W	W	W	-	W	W	W	W	W	W
October 2018	W	W	W	W	29.1	W	W	W	W	W	W	W
November 2017	W	W	W	W	W	W	W	W	96.3	W	W	W
Arizona												
November 2018	W	W	162.7	W	W	W	W	W	W	W	4,851.7	W
October 2018	W	W	150.6	W	W	W	W	W	W	W	4,840.6	W
November 2017	W	W	163.7	W	W	W	W	W	W	W	4,901.2	W
California												
November 2018	843.1	843.1	3,489.0	3,447.5	298.3	4,333.6	4,334.7	15,065.4	17,100.9	1,929.5		
October 2018	865.1	865.1	3,489.4	3,412.7	352.4	4,573.5	4,574.9	15,377.8	17,517.4	1,952.9		
November 2017	847.2	847.2	W	3,628.2	W	4,181.6	4,183.4	15,229.5	18,458.0	1,497.2		
Hawaii												
November 2018	W	W	W	W	W	W	W	W	W	W	W	W
October 2018	W	W	W	W	W	W	W	W	W	W	W	W
November 2017	W	W	W	W	W	W	W	W	W	W	W	W
Nevada												
November 2018	W	W	W	342.1	W	W	W	W	W	W	1,760.8	W
October 2018	W	W	W	W	W	W	W	W	W	W	1,825.8	W
November 2017	W	W	W	W	W	W	W	W	W	W	1,801.1	W
Oregon												
November 2018	13.8	13.8	122.3	370.6	-	113.7	113.7	W	3,432.0			
October 2018	13.8	13.8	124.5	372.3	-	115.0	115.0	W	3,455.4			
November 2017	13.8	13.8	125.2	370.3	-	113.1	113.1	W	3,392.7			
Washington												
November 2018	42.9	43.1	W	888.9	W	406.1	411.4	1,208.3	5,778.8	150.9		
October 2018	44.1	44.3	227.8	W	W	407.7	415.2	W	5,911.4			
November 2017	46.5	46.9	230.6	W	W	391.8	403.3	W	5,753.4			

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state
thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
November 2018	15,058.8	15,372.9	4,232.0	186,811.8	13,915.7
October 2018	14,882.3	15,220.8	4,274.1	188,861.1	15,130.6
November 2017	14,968.5	15,238.0	4,377.0	184,723.0	17,286.3
PAD District 1					
November 2018	W	W	W	50,088.6	W
October 2018	W	W	W	50,558.9	W
November 2017	W	W	W	49,825.3	W
Subdistrict 1A					
November 2018	-	-	W	W	-
October 2018	-	-	W	W	-
November 2017	-	-	W	W	-
Connecticut					
November 2018	-	-	-	-	-
October 2018	-	-	-	-	-
November 2017	-	-	-	-	-
Maine					
November 2018	-	-	W	W	-
October 2018	-	-	-	W	-
November 2017	-	-	W	W	-
Massachusetts					
November 2018	-	-	-	-	-
October 2018	-	-	-	-	-
November 2017	-	-	-	-	-
New Hampshire					
November 2018	-	-	W	-	-
October 2018	-	-	W	-	-
November 2017	-	-	W	W	-
Rhode Island					
November 2018	-	-	-	-	-
October 2018	-	-	-	-	-
November 2017	-	-	-	-	-
Vermont					
November 2018	-	-	W	88.3	-
October 2018	-	-	W	W	-
November 2017	-	-	W	W	-
Subdistrict 1B					
November 2018	W	W	W	6,074.5	W
October 2018	W	W	W	6,177.5	W
November 2017	W	W	W	W	W
Delaware					
November 2018	-	-	-	-	-
October 2018	-	-	-	-	-
November 2017	-	-	-	-	-
District of Columbia					
November 2018	-	-	-	-	-
October 2018	-	-	-	-	-
November 2017	-	-	-	-	-
Maryland					
November 2018	-	-	-	379.3	-
October 2018	-	-	-	392.2	-
November 2017	-	-	-	W	-
New Jersey					
November 2018	-	-	-	-	W
October 2018	-	-	-	-	W
November 2017	-	-	-	-	W
New York					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	W	W	W	W
Pennsylvania					
November 2018	W	W	-	W	W
October 2018	W	W	-	W	W
November 2017	W	W	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated					
	Sales to end users		Total[a]	Sales for resale		
	Through retail outlets	Total		DTW	Rack	Bulk
United States						
November 2018	9,241.2	9,267.4	17,306.4	77,093.0		2,586.6
October 2018	9,466.3	9,491.4	17,611.8	77,547.5		2,742.1
November 2017	9,012.3	9,038.3	17,498.2	77,321.2		3,567.8
PAD District 1						
November 2018	W	W	W	28,376.5		W
October 2018	W	W	W	28,512.7		W
November 2017	W	W	W	27,469.4		W
Subdistrict 1A						
November 2018	W	W	W	5,693.8		W
October 2018	W	W	W	5,542.1		W
November 2017	W	W	-	W		W
Connecticut						
November 2018	-	W	W	2,752.4		W
October 2018	-	W	W	2,675.5		W
November 2017	-	W	-	2,080.4		NA
Maine						
November 2018	-	-	-		W	-
October 2018	-	-	-		W	-
November 2017	-	-	-		W	-
Massachusetts						
November 2018	W	W	-	1,500.3		-
October 2018	W	W	-	1,423.9		-
November 2017	W	W	-	1,049.8		-
New Hampshire						
November 2018	W	W	-		W	-
October 2018	W	W	-		W	-
November 2017	W	W	-		-	-
Rhode Island						
November 2018	W	W	-		W	-
October 2018	W	W	-		W	-
November 2017	W	W	-		W	W
Vermont						
November 2018	-	-	-		-	-
October 2018	-	-	-		-	-
November 2017	-	-	-		-	-
Subdistrict 1B						
November 2018	W	W	W	18,309.1		W
October 2018	W	W	W	18,557.5		W
November 2017	W	W	W	W		W
Delaware						
November 2018	W	W	-	1,137.7		-
October 2018	W	W	-	1,203.3		-
November 2017	W	W	-	1,132.8		-
District of Columbia						
November 2018	-	-	-	-		-
October 2018	-	-	-	-		-
November 2017	-	-	-	-		-
Maryland						
November 2018	-	-	-	4,065.2		-
October 2018	-	-	-	3,936.9		-
November 2017	-	-	W	W		-
New Jersey						
November 2018	W	W	W	W		W
October 2018	W	W	W	W		W
November 2017	W	W	W	7,317.2		W
New York						
November 2018	W	W	W	W		W
October 2018	W	W	W	W		W
November 2017	W	W	W	W		-
Pennsylvania						
November 2018	W	W	-	W		W
October 2018	W	W	-	W		W
November 2017	W	W	-	W		W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
November 2018	24,300.0	24,640.4	21,538.5	263,904.8	16,502.2
October 2018	24,348.6	24,712.2	21,885.8	266,408.6	17,872.7
November 2017	23,980.9	24,276.3	21,875.2	262,044.1	20,854.1
PAD District 1					
November 2018	7,945.6	8,049.8	W	78,465.1	W
October 2018	7,918.3	8,027.8	W	79,071.5	W
November 2017	8,066.2	8,118.5	W	77,294.7	W
Subdistrict 1A					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	W	W	W	W
Connecticut					
November 2018	-	W	W	2,752.4	W
October 2018	-	W	W	2,675.5	W
November 2017	-	W	-	2,080.4	NA
Maine					
November 2018	-	-	W	W	-
October 2018	-	-	-	702.8	-
November 2017	-	-	W	W	-
Massachusetts					
November 2018	W	W	-	1,500.3	-
October 2018	W	W	-	1,423.9	-
November 2017	W	W	-	1,049.8	-
New Hampshire					
November 2018	W	W	W	W	-
October 2018	W	W	W	W	-
November 2017	W	W	W	W	-
Rhode Island					
November 2018	W	W	-	1,105.7	-
October 2018	W	W	-	1,104.6	-
November 2017	W	W	-	NA	W
Vermont					
November 2018	-	-	W	88.3	-
October 2018	-	-	W	W	-
November 2017	-	-	W	W	-
Subdistrict 1B					
November 2018	4,339.1	4,339.1	W	24,383.6	W
October 2018	4,187.4	4,187.4	W	24,735.0	W
November 2017	4,068.4	4,068.4	W	24,886.2	W
Delaware					
November 2018	W	W	-	1,137.7	-
October 2018	W	W	-	1,203.3	-
November 2017	W	W	-	1,132.8	-
District of Columbia					
November 2018	-	-	-	-	-
October 2018	-	-	-	-	-
November 2017	-	-	-	-	-
Maryland					
November 2018	-	-	-	4,444.5	-
October 2018	-	-	-	4,329.1	-
November 2017	-	-	W	W	-
New Jersey					
November 2018	W	W	W	W	1,111.6
October 2018	W	W	W	W	1,081.5
November 2017	W	W	W	7,317.2	W
New York					
November 2018	2,742.3	2,742.3	W	5,568.3	W
October 2018	2,563.1	2,563.1	W	5,795.2	W
November 2017	2,511.6	2,511.6	W	5,857.0	W
Pennsylvania					
November 2018	W	W	-	W	W
October 2018	W	W	-	W	W
November 2017	W	W	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Conventional					
	Sales to end users		Total[a]	Sales for resale		
	Through retail outlets	Total		DTW	Rack	Bulk
Subdistrict 1C						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Florida						
November 2018	W	W	-	15,597.1	-	-
October 2018	W	W	-	15,770.3	-	-
November 2017	W	W	-	15,392.5	-	-
Georgia						
November 2018	W	W	-	9,364.7	-	-
October 2018	W	W	-	9,490.9	-	-
November 2017	W	W	-	9,048.7	-	-
North Carolina						
November 2018	W	W	-	9,905.4	-	-
October 2018	W	W	-	9,839.3	-	-
November 2017	W	W	-	W	W	W
South Carolina						
November 2018	W	W	-	4,696.2	-	-
October 2018	W	W	-	4,761.4	-	-
November 2017	W	W	-	W	W	W
Virginia						
November 2018	-	-	-	W	W	W
October 2018	-	-	-	W	W	W
November 2017	W	W	-	W	W	W
West Virginia						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	677.4	-	-
PAD District 2						
November 2018	W	W	-	W	W	W
October 2018	W	7,438.1	-	W	W	W
November 2017	W	W	W	W	W	1,300.3
Illinois						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	3,905.1	-	-
Indiana						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Iowa						
November 2018	-	W	-	2,808.0	-	-
October 2018	-	W	-	2,854.0	-	-
November 2017	-	W	-	3,089.3	-	-
Kansas						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Kentucky						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Michigan						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Minnesota						
November 2018	798.6	804.4	-	W	W	W
October 2018	806.8	813.4	-	W	W	W
November 2017	W	W	W	W	5,171.0	W
Missouri						
November 2018	-	W	-	2,758.0	-	-
October 2018	-	W	-	2,980.5	-	-
November 2017	-	W	-	2,905.8	-	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated			Sales for resale		
	Sales to end users		Total[a]	DTW	Rack	Bulk
Through retail outlets	Total					
Subdistrict 1C						
November 2018	-	-	-	-	4,373.7	-
October 2018	-	-	-	-	4,413.0	-
November 2017	-	-	-	-	4,465.9	-
Florida						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Georgia						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
North Carolina						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
South Carolina						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Virginia						
November 2018	-	-	-	-	4,373.7	-
October 2018	-	-	-	-	4,413.0	-
November 2017	-	-	-	-	4,465.9	-
West Virginia						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
PAD District 2						
November 2018	W	W	-	-	W	W
October 2018	W	W	-	-	W	W
November 2017	W	W	-	-	W	W
Illinois						
November 2018	W	W	-	-	W	W
October 2018	W	W	-	-	W	W
November 2017	W	W	-	-	W	W
Indiana						
November 2018	W	W	-	-	936.3	-
October 2018	W	W	-	-	932.9	-
November 2017	W	W	-	-	934.2	-
Iowa						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Kansas						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Kentucky						
November 2018	W	W	-	-	633.8	-
October 2018	W	W	-	-	635.1	-
November 2017	W	W	-	-	787.4	-
Michigan						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Minnesota						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Missouri						
November 2018	-	-	-	-	W	W
October 2018	-	-	-	-	W	W
November 2017	-	-	-	-	886.1	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations					
	Sales to end users		Total[a]	Sales for resale		
	Through retail outlets	Total		DTW	Rack	Bulk
Subdistrict 1C						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Florida						
November 2018	W	W	-	15,597.1	-	-
October 2018	W	W	-	15,770.3	-	-
November 2017	W	W	-	15,392.5	-	-
Georgia						
November 2018	W	W	-	9,364.7	-	-
October 2018	W	W	-	9,490.9	-	-
November 2017	W	W	-	9,048.7	-	-
North Carolina						
November 2018	W	W	-	9,905.4	-	-
October 2018	W	W	-	9,839.3	-	-
November 2017	W	W	-	W	W	W
South Carolina						
November 2018	W	W	-	4,696.2	-	-
October 2018	W	W	-	4,761.4	-	-
November 2017	W	W	-	W	W	W
Virginia						
November 2018	-	-	-	W	W	W
October 2018	-	-	-	W	W	W
November 2017	W	W	-	W	W	W
West Virginia						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	677.4	-	-
PAD District 2						
November 2018	W	W	-	84,244.2	-	1,429.5
October 2018	W	W	-	85,232.9	-	1,743.9
November 2017	W	8,901.2	W	83,826.7	W	W
Illinois						
November 2018	W	W	-	12,026.9	-	67.0
October 2018	W	W	-	12,060.4	-	90.6
November 2017	W	W	-	W	W	W
Indiana						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Iowa						
November 2018	-	W	-	2,808.0	-	-
October 2018	-	W	-	2,854.0	-	-
November 2017	-	W	-	3,089.3	-	-
Kansas						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Kentucky						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Michigan						
November 2018	W	W	-	W	W	W
October 2018	W	W	-	W	W	W
November 2017	W	W	-	W	W	W
Minnesota						
November 2018	798.6	804.4	-	W	W	W
October 2018	806.8	813.4	-	W	W	W
November 2017	W	W	W	5,171.0	W	W
Missouri						
November 2018	-	W	-	W	W	W
October 2018	-	W	-	W	W	W
November 2017	-	W	-	3,791.9	-	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
November 2018	W	W	-	1,830.3	-
October 2018	W	W	-	1,744.2	-
November 2017	W	W	-	1,766.7	-
North Dakota					
November 2018	W	W	-	1,035.4	-
October 2018	W	W	-	1,059.6	-
November 2017	W	W	-	1,017.4	-
Ohio					
November 2018	W	W	-	W	W
October 2018	W	W	-	W	W
November 2017	W	W	-	W	W
Oklahoma					
November 2018	W	W	-	4,265.9	952.0
October 2018	W	W	-	4,311.5	775.0
November 2017	W	W	-	4,441.2	693.0
South Dakota					
November 2018	W	W	-	1,081.6	-
October 2018	W	W	-	1,104.6	-
November 2017	W	W	-	1,102.1	-
Tennessee					
November 2018	W	W	-	10,151.3	-
October 2018	W	W	-	W	W
November 2017	W	W	-	W	W
Wisconsin					
November 2018	W	W	-	4,065.2	-
October 2018	W	51.3	-	4,123.3	-
November 2017	W	55.4	W	4,450.5	W
PAD District 3					
November 2018	1,056.5	1,093.3	W	39,009.8	W
October 2018	1,079.1	1,118.3	W	W	W
November 2017	1,057.0	1,104.9	W	W	W
Alabama					
November 2018	-	W	-	5,361.9	-
October 2018	-	W	-	5,441.7	-
November 2017	-	W	-	5,009.8	-
Arkansas					
November 2018	-	-	-	3,102.0	-
October 2018	-	-	-	3,155.5	-
November 2017	-	-	-	3,071.9	-
Louisiana					
November 2018	-	W	-	6,249.7	3,418.6
October 2018	-	W	-	6,409.2	3,719.7
November 2017	-	W	-	6,272.9	1,898.3
Mississippi					
November 2018	-	-	-	W	W
October 2018	-	-	-	W	W
November 2017	-	-	-	W	W
New Mexico					
November 2018	W	469.4	W	W	-
October 2018	W	485.0	W	W	-
November 2017	W	485.0	W	W	-
Texas					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	NA	W	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated			
	Sales to end users	Total[a]	DTW	Sales for resale
	Through retail outlets			
PAD District 2 (cont.)				
Nebraska				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
North Dakota				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Ohio				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Oklahoma				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
South Dakota				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Tennessee				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Wisconsin				
November 2018	W	W	-	1,670.2
October 2018	W	W	-	1,582.6
November 2017	W	W	-	1,621.2
PAD District 3				
Alabama				
November 2018	-	-	-	16,065.9
October 2018	-	-	-	W
November 2017	-	-	-	W
Arkansas				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Louisiana				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Mississippi				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
New Mexico				
November 2018	-	-	-	-
October 2018	-	-	-	-
November 2017	-	-	-	-
Texas				
November 2018	-	-	-	W
October 2018	-	-	-	W
November 2017	-	-	-	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
November 2018	W	W	-	1,830.3	-
October 2018	W	W	-	1,744.2	-
November 2017	W	W	-	1,766.7	-
North Dakota					
November 2018	W	W	-	1,035.4	-
October 2018	W	W	-	1,059.6	-
November 2017	W	W	-	1,017.4	-
Ohio					
November 2018	W	W	-	W	W
October 2018	W	W	-	W	W
November 2017	W	W	-	W	W
Oklahoma					
November 2018	W	W	-	4,265.9	952.0
October 2018	W	W	-	4,311.5	775.0
November 2017	W	W	-	4,441.2	693.0
South Dakota					
November 2018	W	W	-	1,081.6	-
October 2018	W	W	-	1,104.6	-
November 2017	W	W	-	1,102.1	-
Tennessee					
November 2018	W	W	-	10,151.3	-
October 2018	W	W	-	W	W
November 2017	W	W	-	W	W
Wisconsin					
November 2018	W	W	-	5,735.4	-
October 2018	W	W	-	5,705.9	-
November 2017	W	W	W	6,071.7	W
PAD District 3					
November 2018	1,056.5	1,093.3	W	55,075.6	W
October 2018	1,079.1	1,118.3	W	54,828.4	W
November 2017	1,057.0	1,104.9	W	53,415.6	W
Alabama					
November 2018	-	W	-	5,361.9	-
October 2018	-	W	-	5,441.7	-
November 2017	-	W	-	5,009.8	-
Arkansas					
November 2018	-	-	-	3,102.0	-
October 2018	-	-	-	3,155.5	-
November 2017	-	-	-	3,071.9	-
Louisiana					
November 2018	-	W	-	6,249.7	3,418.6
October 2018	-	W	-	6,409.2	3,719.7
November 2017	-	W	-	6,272.9	1,898.3
Mississippi					
November 2018	-	-	-	W	W
October 2018	-	-	-	W	W
November 2017	-	-	-	W	W
New Mexico					
November 2018	W	469.4	W	W	-
October 2018	W	485.0	W	W	-
November 2017	W	485.0	W	W	-
Texas					
November 2018	W	W	W	35,495.6	W
October 2018	W	W	W	34,865.5	W
November 2017	W	NA	W	34,261.2	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
November 2018	W	W	W	12,468.9	W
October 2018	W	W	W	12,959.5	W
November 2017	W	496.4	W	12,578.9	W
Colorado					
November 2018	216.0	220.8	W	5,326.5	W
October 2018	211.4	216.4	W	5,319.5	W
November 2017	216.2	221.6	W	5,430.1	W
Idaho					
November 2018	W	W	-	1,574.7	-
October 2018	W	W	-	1,688.1	-
November 2017	W	W	-	1,562.0	-
Montana					
November 2018	W	W	-	1,454.2	-
October 2018	W	W	-	1,477.8	-
November 2017	W	W	-	1,369.4	-
Utah					
November 2018	W	W	W	3,240.2	W
October 2018	W	W	W	3,442.3	W
November 2017	W	W	W	3,253.8	W
Wyoming					
November 2018	W	12.3	-	873.4	-
October 2018	W	13.0	-	1,031.8	-
November 2017	W	11.9	-	963.6	-
PAD District 5					
November 2018	1,406.9	1,471.0	W	W	W
October 2018	1,418.5	W	W	13,843.3	W
November 2017	1,394.5	1,469.9	W	13,565.3	W
Alaska					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	W	96.3	W	W
Arizona					
November 2018	W	W	W	W	-
October 2018	W	W	286.5	W	-
November 2017	W	W	267.2	W	-
California					
November 2018	-	-	-	-	W
October 2018	-	-	-	-	W
November 2017	-	-	-	-	W
Hawaii					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	W	W	W	W
Nevada					
November 2018	W	W	W	1,760.8	W
October 2018	W	W	W	1,825.8	W
November 2017	W	W	W	1,801.1	W
Oregon					
November 2018	113.7	113.7	W	3,432.0	W
October 2018	115.0	115.0	W	3,455.4	W
November 2017	113.1	113.1	W	3,392.7	W
Washington					
November 2018	406.1	411.4	1,208.3	5,778.8	150.9
October 2018	407.7	415.2	W	5,911.4	W
November 2017	391.8	403.3	W	5,753.4	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated			Sales for resale		
	Sales to end users		Total[a]	DTW	Rack	Bulk
Through retail outlets	Total					
PAD District 4						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Colorado						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Idaho						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Montana						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Utah						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Wyoming						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
PAD District 5						
November 2018	4,333.6		4,335.6	W	W	W
October 2018	4,573.5		W	W	20,473.0	W
November 2017	4,181.6		4,185.5	W	21,362.9	W
Alaska						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Arizona						
November 2018	-	W	W	W	W	W
October 2018	-	W	W	W	W	W
November 2017	-	W	W	W	W	W
California						
November 2018	4,333.6	W	15,065.4	17,100.9	W	W
October 2018	4,573.5	4,574.9	15,377.8	W	W	W
November 2017	4,181.6	W	15,229.5	W	W	W
Hawaii						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Nevada						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Oregon						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
Washington						
November 2018	-	-	-	-	-	-
October 2018	-	-	-	-	-	-
November 2017	-	-	-	-	-	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
November 2018	W	W	W	12,468.9	W
October 2018	W	W	W	12,959.5	W
November 2017	W	496.4	W	12,578.9	W
Colorado					
November 2018	216.0	220.8	W	5,326.5	W
October 2018	211.4	216.4	W	5,319.5	W
November 2017	216.2	221.6	W	5,430.1	W
Idaho					
November 2018	W	W	-	1,574.7	-
October 2018	W	W	-	1,688.1	-
November 2017	W	W	-	1,562.0	-
Montana					
November 2018	W	W	-	1,454.2	-
October 2018	W	W	-	1,477.8	-
November 2017	W	W	-	1,369.4	-
Utah					
November 2018	W	W	W	3,240.2	W
October 2018	W	W	W	3,442.3	W
November 2017	W	W	W	3,253.8	W
Wyoming					
November 2018	W	12.3	-	873.4	-
October 2018	W	13.0	-	1,031.8	-
November 2017	W	11.9	-	963.6	-
PAD District 5					
November 2018	5,740.5	5,806.7	19,777.4	33,651.0	3,096.8
October 2018	5,992.1	6,066.7	W	34,316.3	W
November 2017	5,576.1	5,655.4	20,039.4	34,928.2	2,137.8
Alaska					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	W	96.3	W	W
Arizona					
November 2018	W	W	W	4,851.7	W
October 2018	W	W	W	4,840.6	W
November 2017	W	W	W	4,901.2	W
California					
November 2018	4,333.6	4,334.7	15,065.4	17,100.9	1,929.5
October 2018	4,573.5	4,574.9	15,377.8	17,517.4	1,952.9
November 2017	4,181.6	4,183.4	15,229.5	18,458.0	1,497.2
Hawaii					
November 2018	W	W	W	W	W
October 2018	W	W	W	W	W
November 2017	W	W	W	W	W
Nevada					
November 2018	W	W	W	1,760.8	W
October 2018	W	W	W	1,825.8	W
November 2017	W	W	W	1,801.1	W
Oregon					
November 2018	113.7	113.7	W	3,432.0	W
October 2018	115.0	115.0	W	3,455.4	W
November 2017	113.1	113.1	W	3,392.7	W
Washington					
November 2018	406.1	411.4	1,208.3	5,778.8	150.9
October 2018	407.7	415.2	W	5,911.4	W
November 2017	391.8	403.3	W	5,753.4	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States										
November 2018	W	347.2	31,002.5	38,061.0	W	1,449.1	95.3	2,677.2	3,780.2	35,578.9
October 2018	W	532.3	32,140.0	37,875.6	W	1,007.5	77.8	1,245.8	4,184.8	28,478.0
November 2017	W	410.3	30,443.9	38,515.4	W	1,289.9	104.7	2,275.2	4,377.8	36,702.5
PAD District 1										
November 2018	W	122.8	5,412.6	6,474.5	W	303.7	-	W	W	6,984.8
October 2018	W	127.0	5,960.3	5,907.1	W	461.1	-	W	W	5,115.1
November 2017	W	132.5	4,363.1	8,029.3	W	378.4	-	W	W	7,370.7
Subdistrict 1A										
November 2018	W	W	212.8	721.9	W	W	-	W	W	1,379.7
October 2018	-	W	225.6	824.6	W	-	-	W	W	865.9
November 2017	W	W	236.5	715.9	W	W	-	W	W	1,386.4
Connecticut										
November 2018	-	-	W	W	-	W	-	-	-	152.9
October 2018	-	-	W	W	-	-	-	-	-	96.9
November 2017	-	-	W	W	-	W	-	-	-	144.6
Maine										
November 2018	W	W	W	W	-	-	-	W	W	436.8
October 2018	-	W	W	W	-	-	-	W	W	264.3
November 2017	-	W	W	W	-	-	-	W	W	459.0
Massachusetts										
November 2018	-	-	W	672.5	W	-	-	-	-	175.7
October 2018	-	-	W	773.3	W	-	-	-	-	114.6
November 2017	-	-	W	677.7	W	-	-	-	-	159.4
New Hampshire										
November 2018	-	-	W	W	W	-	-	W	-	W
October 2018	-	-	W	W	W	-	-	-	-	102.3
November 2017	-	-	W	W	W	-	-	W	-	141.5
Rhode Island										
November 2018	-	-	W	W	W	-	-	-	-	W
October 2018	-	-	W	W	W	-	-	-	-	W
November 2017	-	-	W	W	W	-	-	-	-	W
Vermont										
November 2018	-	-	W	W	-	-	-	-	-	380.8
October 2018	-	-	W	W	-	-	-	W	-	W
November 2017	W	-	W	W	-	-	-	-	-	W
Subdistrict 1B										
November 2018	-	W	2,513.8	4,037.4	W	205.0	-	W	-	2,599.4
October 2018	W	W	2,653.4	3,379.5	4.6	396.5	-	W	-	1,977.2
November 2017	-	W	1,824.7	5,538.1	9.7	233.1	-	W	-	2,768.8
Delaware										
November 2018	-	-	-	-	W	-	-	-	-	186.6
October 2018	-	-	-	-	W	W	W	-	-	135.7
November 2017	-	-	-	-	W	W	-	-	-	W
District of Columbia										
November 2018	-	-	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
November 2018	-	-	W	58.7	-	W	-	-	-	50.6
October 2018	-	-	W	W	-	W	-	-	-	44.0
November 2017	-	-	W	72.1	-	W	-	-	-	W
New Jersey										
November 2018	-	-	1,002.6	3,396.0	W	W	-	-	-	302.0
October 2018	-	-	1,092.5	2,939.9	W	299.1	-	-	-	248.8
November 2017	-	W	681.0	3,387.0	W	W	-	W	-	375.8
New York										
November 2018	-	W	1,205.9	71.2	W	W	-	W	-	708.4
October 2018	-	W	1,275.6	72.7	W	32.2	-	W	-	405.6
November 2017	-	W	824.7	76.2	W	W	-	W	-	713.8
Pennsylvania										
November 2018	-	W	W	511.5	W	W	-	W	-	1,351.9
October 2018	W	W	W	298.8	1.6	W	-	W	-	1,143.1
November 2017	-	W	W	2,002.8	3.7	7.0	-	W	-	1,356.8

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C										
November 2018	W	91.4	2,686.1	1,715.2	W	W	-	W	-	3,005.7
October 2018	W	97.6	3,081.3	1,703.0	W	64.6	-	W	-	2,272.1
November 2017	W	98.2	2,301.9	1,775.3	W	W	-	W	-	3,215.5
Florida										
November 2018	-	67.2	1,723.3	1,338.0	W	-	-	-	-	312.0
October 2018	-	64.7	2,103.9	1,168.5	W	-	-	-	-	307.8
November 2017	-	75.5	W	1,422.7	W	W	-	-	-	396.9
Georgia										
November 2018	W	W	W	W	-	W	-	W	-	623.0
October 2018	W	W	W	92.6	-	W	-	W	-	483.0
November 2017	W	W	W	95.7	-	W	-	W	-	544.1
North Carolina										
November 2018	-	W	W	142.3	W	W	-	-	-	929.5
October 2018	-	W	W	266.5	W	W	-	-	-	677.6
November 2017	-	W	W	W	W	121.8	-	-	-	929.2
South Carolina										
November 2018	-	-	W	73.6	W	W	-	-	-	781.8
October 2018	-	-	W	76.4	W	W	-	-	-	517.8
November 2017	-	-	W	72.8	W	17.7	-	-	-	661.4
Virginia										
November 2018	-	W	456.9	W	-	W	-	-	-	W
October 2018	-	W	473.2	W	-	W	-	-	-	100.3
November 2017	-	W	317.0	W	-	W	-	-	-	246.4
West Virginia										
November 2018	-	-	W	W	W	-	-	-	-	W
October 2018	-	-	W	W	W	-	-	-	-	185.6
November 2017	-	-	W	W	W	-	-	-	-	437.5
PAD District 2										
November 2018	W	66.6	6,245.4	4,892.5	W	W	14.8	1,998.1	W	12,973.4
October 2018	W	W	6,543.5	5,037.5	W	W	7.2	726.5	W	11,846.0
November 2017	W	102.6	6,085.3	4,970.9	W	W	12.2	1,646.5	W	14,370.9
Illinois										
November 2018	W	W	1,532.0	W	W	W	W	80.9	W	1,971.1
October 2018	W	W	1,568.7	W	W	W	W	12.5	W	1,551.5
November 2017	-	W	1,294.2	W	W	W	W	24.6	W	2,000.0
Indiana										
November 2018	-	-	933.4	255.9	W	21.6	-	W	-	315.1
October 2018	-	-	995.6	238.8	W	10.6	-	W	-	200.2
November 2017	-	-	847.8	328.3	W	17.8	-	W	-	379.5
Iowa										
November 2018	-	-	W	78.7	-	W	-	215.4	W	1,036.6
October 2018	-	-	W	83.1	-	-	-	36.3	W	1,133.0
November 2017	-	-	8.9	68.9	-	-	-	199.3	W	1,305.3
Kansas										
November 2018	W	W	W	W	-	W	W	190.2	-	2,777.5
October 2018	W	W	W	W	-	W	W	64.9	-	3,210.1
November 2017	W	W	NA	W	-	W	W	146.6	-	3,662.1
Kentucky										
November 2018	-	W	1,001.0	W	W	W	W	W	-	689.1
October 2018	-	W	1,118.1	W	W	W	W	W	-	631.2
November 2017	-	W	1,072.4	519.7	W	W	-	W	W	675.2
Michigan										
November 2018	W	-	W	628.3	W	W	W	18.8	W	877.8
October 2018	W	-	W	432.0	W	W	W	W	W	563.6
November 2017	-	-	152.3	403.1	W	W	W	23.2	W	884.6
Minnesota										
November 2018	W	W	177.6	W	W	W	W	448.5	W	1,000.3
October 2018	W	W	161.6	W	W	W	W	143.7	W	1,046.2
November 2017	W	W	W	W	W	W	W	337.0	W	1,374.2
Missouri										
November 2018	W	-	W	W	-	-	W	20.2	W	490.5
October 2018	W	W	W	W	-	W	W	4.6	-	385.6
November 2017	W	-	W	W	-	W	-	9.4	-	393.5

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)										
Nebraska										
November 2018	W	-	W	W	-	-	W	145.8	-	295.1
October 2018	W	-	W	W	-	-	W	47.8	-	289.2
November 2017	W	-	W	W	-	-	W	130.4	-	249.3
North Dakota										
November 2018	-	-	W	W	W	-	W	411.9	W	850.4
October 2018	-	-	W	W	W	-	W	198.7	W	710.5
November 2017	-	-	W	W	-	W	3.7	439.3	W	717.3
Ohio										
November 2018	W	W	454.3	539.4	W	W	-	W	-	814.4
October 2018	W	W	480.7	541.8	W	W	-	W	-	699.3
November 2017	-	W	464.1	658.9	W	W	-	W	-	766.0
Oklahoma										
November 2018	W	-	W	397.6	-	W	-	W	W	322.9
October 2018	W	-	W	566.4	-	W	-	W	-	304.7
November 2017	W	-	W	433.5	-	W	-	36.3	-	245.8
South Dakota										
November 2018	-	-	W	-	W	-	W	170.8	W	279.9
October 2018	W	-	W	-	-	-	W	39.5	W	255.0
November 2017	-	-	W	-	-	W	W	134.2	W	281.7
Tennessee										
November 2018	-	W	W	190.3	W	W	-	-	-	223.8
October 2018	W	16.4	W	192.0	W	W	-	W	-	187.5
November 2017	W	W	W	146.5	W	49.7	-	W	-	198.8
Wisconsin										
November 2018	-	-	66.9	W	W	W	W	115.0	W	1,029.0
October 2018	-	-	62.6	W	W	W	W	34.4	W	678.3
November 2017	-	-	W	W	W	3.0	W	129.3	W	1,237.5
PAD District 3										
November 2018	W	90.5	5,830.3	17,791.5	-	1,004.0	-	W	3,345.0	12,725.8
October 2018	W	130.1	5,463.0	17,842.9	-	441.4	-	W	3,793.7	8,704.4
November 2017	W	102.2	6,428.6	17,193.6	-	751.7	-	W	3,931.2	11,818.1
Alabama										
November 2018	-	W	70.0	156.0	-	W	-	-	-	469.4
October 2018	-	W	72.2	71.2	-	W	-	-	-	249.2
November 2017	W	-	90.7	80.2	-	W	-	-	-	352.4
Arkansas										
November 2018	W	-	W	W	-	-	-	-	-	W
October 2018	-	-	W	W	-	-	-	-	-	W
November 2017	W	-	W	W	-	W	-	-	-	55.1
Louisiana										
November 2018	-	4.7	528.7	5,361.6	-	W	-	W	850.3	521.1
October 2018	W	6.5	604.6	6,046.0	-	W	-	W	977.5	192.8
November 2017	-	-	1,006.8	6,081.0	-	W	-	W	803.1	176.8
Mississippi										
November 2018	-	W	1,186.4	1,644.5	-	W	-	-	-	709.9
October 2018	-	W	962.8	1,946.0	-	W	-	-	-	436.8
November 2017	-	W	701.9	1,116.2	-	W	-	-	-	398.5
New Mexico										
November 2018	W	-	W	W	-	-	-	-	-	W
October 2018	W	-	W	W	-	-	-	-	-	W
November 2017	W	-	W	W	-	-	-	-	-	83.0
Texas										
November 2018	W	W	3,984.4	10,545.5	-	W	-	-	2,494.7	10,857.5
October 2018	W	W	3,750.7	9,674.2	-	W	-	-	2,816.3	7,689.7
November 2017	W	W	4,567.7	9,787.1	-	18.3	-	-	3,128.0	10,752.3

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4										
November 2018	W	W	812.5	991.5	-	-	W	307.5	W	1,114.7
October 2018	W	W	930.0	1,016.4	W	-	W	171.4	W	1,021.5
November 2017	W	W	919.4	683.2	-	-	W	271.1	W	1,051.0
Colorado										
November 2018	W	-	303.8	660.9	-	-	-	108.1	W	461.2
October 2018	W	-	285.7	654.3	-	-	-	53.4	W	386.2
November 2017	W	-	275.1	NA	-	-	-	90.8	W	367.0
Idaho										
November 2018	-	-	W	15.7	-	-	W	15.3	W	49.6
October 2018	-	-	W	25.3	W	-	W	W	W	47.3
November 2017	-	-	W	15.9	-	-	W	16.4	W	W
Montana										
November 2018	W	W	W	W	-	-	W	90.0	W	144.1
October 2018	-	W	W	W	-	-	W	43.0	W	122.0
November 2017	-	W	W	W	-	-	W	81.7	W	158.4
Utah										
November 2018	W	W	345.6	252.3	-	-	W	24.3	-	107.9
October 2018	W	W	473.5	269.1	-	-	-	W	-	122.2
November 2017	W	W	375.6	225.5	-	-	W	25.4	-	W
Wyoming										
November 2018	-	-	W	W	-	-	W	69.8	-	351.8
October 2018	-	-	W	W	-	-	W	53.2	-	343.8
November 2017	-	-	W	W	-	-	W	56.9	-	366.5
PAD District 5										
November 2018	W	W	12,701.6	7,911.0	-	W	W	357.0	W	1,780.2
October 2018	W	175.9	13,243.2	8,071.7	-	W	W	342.8	W	1,790.9
November 2017	W	W	12,647.6	7,638.4	W	W	W	294.0	W	2,091.8
Alaska										
November 2018	W	-	W	W	-	-	W	W	W	W
October 2018	W	W	W	W	-	-	W	W	W	W
November 2017	W	W	W	W	-	-	W	W	W	W
Arizona										
November 2018	W	W	90.8	278.3	-	-	-	-	-	181.7
October 2018	W	W	75.6	367.2	-	-	-	-	-	130.8
November 2017	W	W	214.1	227.8	-	-	-	-	-	107.9
California										
November 2018	W	23.6	7,541.7	5,317.5	-	W	-	-	-	1,053.8
October 2018	W	W	8,055.4	6,187.5	-	W	-	-	-	1,043.8
November 2017	-	28.6	7,449.5	5,955.9	-	W	-	-	-	1,304.3
Hawaii										
November 2018	-	W	W	W	-	-	-	-	-	W
October 2018	-	W	W	W	-	-	-	-	-	W
November 2017	-	W	W	W	-	-	-	-	-	W
Nevada										
November 2018	-	-	W	W	-	-	-	-	-	121.9
October 2018	-	-	W	226.7	-	-	-	-	-	118.1
November 2017	-	-	W	W	-	-	-	-	-	89.9
Oregon										
November 2018	-	11.2	460.9	W	-	-	-	W	W	W
October 2018	-	20.3	425.4	66.5	-	-	-	W	W	71.5
November 2017	-	10.8	W	61.8	-	-	-	W	W	W
Washington										
November 2018	-	W	1,692.9	884.8	-	-	W	W	W	293.2
October 2018	-	W	2,138.6	276.2	-	-	W	W	W	386.5
November 2017	-	W	2,028.0	198.9	W	-	W	W	W	481.3

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
November 2018	12,803.4	152,898.9	W	W	W	W
October 2018	13,071.8	159,451.1	W	W	W	W
November 2017	12,468.6	148,913.3	W	W	W	W
PAD District 1						
November 2018	W	33,901.7	-	W	-	W
October 2018	W	W	-	-	-	W
November 2017	W	30,272.3	-	W	-	W
Subdistrict 1A						
November 2018	W	1,383.0	-	-	-	-
October 2018	W	1,774.4	-	-	-	-
November 2017	W	W	-	-	-	-
Connecticut						
November 2018	W	583.1	-	-	-	-
October 2018	W	637.2	-	-	-	-
November 2017	W	W	-	-	-	-
Maine						
November 2018	-	W	-	-	-	-
October 2018	-	W	-	-	-	-
November 2017	-	W	-	-	-	-
Massachusetts						
November 2018	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
New Hampshire						
November 2018	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
Rhode Island						
November 2018	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
Vermont						
November 2018	-	W	-	-	-	-
October 2018	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
Subdistrict 1B						
November 2018	W	17,238.7	-	W	-	W
October 2018	W	W	-	-	-	W
November 2017	W	W	-	W	-	W
Delaware						
November 2018	W	W	-	-	-	-
October 2018	W	605.1	-	-	-	-
November 2017	W	W	-	-	-	-
District of Columbia						
November 2018	-	W	-	-	-	-
October 2018	-	W	-	-	-	-
November 2017	-	W	-	-	-	-
Maryland						
November 2018	W	W	-	-	-	W
October 2018	W	1,291.1	-	-	-	W
November 2017	W	W	-	-	-	W
New Jersey						
November 2018	W	8,490.7	-	W	-	W
October 2018	173.6	6,158.0	-	-	-	-
November 2017	W	W	-	W	-	-
New York						
November 2018	196.4	W	-	-	-	W
October 2018	W	W	-	-	-	W
November 2017	W	W	-	-	-	W
Pennsylvania						
November 2018	W	5,681.2	-	-	-	-
October 2018	W	5,196.9	-	-	-	-
November 2017	272.0	6,485.6	-	-	-	-

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
November 2018		W	15,280.0			
October 2018	927.0		15,328.7			
November 2017	866.8		W			
Florida						
November 2018		W	4,584.5			
October 2018	255.6		4,901.7			
November 2017	318.3		4,762.6			
Georgia						
November 2018		70.3	W			
October 2018		75.4	2,641.3			
November 2017		94.8	2,244.9			
North Carolina						
November 2018		373.7	W			
October 2018		416.3	W			
November 2017		274.3	W			
South Carolina						
November 2018		W	W			
October 2018		W	W			
November 2017		W	1,306.3			
Virginia						
November 2018		W	W			
October 2018		W	W			
November 2017		12.2	W			
West Virginia						
November 2018		W	W			
October 2018		W	W			
November 2017		W	W			
PAD District 2						
November 2018		W	W			
October 2018		W	W			
November 2017		W	W			
Illinois						
November 2018		346.2	6,667.5			
October 2018		372.2	7,192.6			
November 2017		W	6,012.2			
Indiana						
November 2018		W	3,778.4			
October 2018		W	4,219.5			
November 2017		W	3,801.0			
Iowa						
November 2018		26.6	2,261.4			
October 2018		19.6	2,314.4			
November 2017		18.7	2,724.6			
Kansas						
November 2018		484.0	3,374.4			
October 2018		413.7	3,651.6			
November 2017		480.0	3,471.9			
Kentucky						
November 2018		483.0	1,818.3			
October 2018		469.6	2,027.5			
November 2017		W	W			
Michigan						
November 2018		243.7	W			
October 2018		242.3	W			
November 2017		W	W			
Minnesota						
November 2018		W	W			
October 2018		W	W			
November 2017		W	2,690.8			
Missouri						
November 2018		W	1,606.3			
October 2018		2.8	1,699.8			
November 2017		W	1,661.4			

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
November 2018	W	1,417.1	-	-	-	-
October 2018	W	1,560.4	-	-	-	-
November 2017	W	1,588.4	-	-	-	-
North Dakota						
November 2018	W	1,190.3	-	-	-	-
October 2018	W	1,644.5	-	-	-	-
November 2017	W	1,131.5	-	-	-	-
Ohio						
November 2018	683.7	5,211.0	-	-	-	-
October 2018	788.1	5,773.4	-	-	-	-
November 2017	W	4,829.2	-	-	-	-
Oklahoma						
November 2018	W	5,988.3	-	-	-	-
October 2018	W	7,379.7	-	-	-	-
November 2017	512.0	5,913.0	-	-	-	-
South Dakota						
November 2018	W	614.0	-	-	-	-
October 2018	W	768.5	-	-	-	-
November 2017	W	755.6	-	-	-	-
Tennessee						
November 2018	352.2	3,644.7	-	-	-	-
October 2018	363.7	3,829.8	-	-	-	-
November 2017	289.6	3,280.0	-	-	-	-
Wisconsin						
November 2018	W	W	-	-	-	-
October 2018	W	2,331.7	-	-	-	-
November 2017	W	W	-	-	-	-
PAD District 3						
November 2018	3,118.3	47,802.1	-	W	-	W
October 2018	2,840.3	49,107.0	-	W	-	W
November 2017	W	49,503.2	W	W	-	W
Alabama						
November 2018	125.2	1,754.5	-	-	-	-
October 2018	137.8	1,826.8	-	-	-	-
November 2017	149.9	1,449.4	-	-	-	-
Arkansas						
November 2018	W	1,296.2	-	-	-	-
October 2018	W	1,486.0	-	-	-	-
November 2017	W	1,420.8	-	-	-	-
Louisiana						
November 2018	245.6	W	-	W	-	W
October 2018	207.1	W	-	W	-	W
November 2017	161.0	11,913.7	-	W	-	W
Mississippi						
November 2018	34.3	W	-	-	-	-
October 2018	41.9	W	-	-	-	-
November 2017	50.7	2,308.3	-	W	-	-
New Mexico						
November 2018	426.8	1,265.9	-	-	-	-
October 2018	432.6	1,275.4	-	-	-	-
November 2017	330.7	1,338.3	-	-	-	-
Texas						
November 2018	W	W	-	-	-	W
October 2018	W	W	-	-	-	W
November 2017	2,073.0	31,072.8	W	W	-	W

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
November 2018	W	6,188.3	-	-	-	-
October 2018	W	6,967.1	-	-	-	-
November 2017	W	W	-	-	-	-
Colorado						
November 2018	213.6	2,011.5	-	-	-	-
October 2018	238.8	2,208.0	-	-	-	-
November 2017	236.6	2,054.6	-	-	-	-
Idaho						
November 2018	W	678.1	-	-	-	-
October 2018	W	769.1	-	-	-	-
November 2017	W	659.4	-	-	-	-
Montana						
November 2018	W	993.1	-	-	-	-
October 2018	W	1,179.9	-	-	-	-
November 2017	200.3	976.3	-	-	-	-
Utah						
November 2018	W	1,343.3	-	-	-	-
October 2018	W	1,556.6	-	-	-	-
November 2017	326.9	W	-	-	-	-
Wyoming						
November 2018	326.2	1,162.4	-	-	-	-
October 2018	334.3	1,253.5	-	-	-	-
November 2017	405.5	948.9	-	-	-	-
PAD District 5						
November 2018	W	W	W	-	W	W
October 2018	W	W	W	-	W	W
November 2017	W	W	W	-	W	W
Alaska						
November 2018	W	W	-	-	-	-
October 2018	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
Arizona						
November 2018	460.1	953.7	-	-	-	-
October 2018	442.2	990.0	-	-	-	-
November 2017	405.8	1,024.0	-	-	-	-
California						
November 2018	1,219.8	W	-	-	-	W
October 2018	1,295.0	W	-	-	-	W
November 2017	1,166.1	W	-	-	-	W
Hawaii						
November 2018	W	W	W	-	W	W
October 2018	W	W	W	-	W	W
November 2017	W	W	W	-	W	W
Nevada						
November 2018	W	563.0	-	-	-	-
October 2018	W	508.4	-	-	-	-
November 2017	W	518.2	-	-	-	-
Oregon						
November 2018	8.5	2,115.2	-	-	-	-
October 2018	3.9	2,224.9	-	-	-	-
November 2017	7.5	2,051.1	-	-	-	-
Washington						
November 2018	W	3,873.1	-	-	-	-
October 2018	W	3,486.6	-	-	-	-
November 2017	W	2,911.8	-	-	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States				
November 2018	160.5	12,858.2	13,319.1	167,003.1
October 2018	60.5	9,708.5	13,351.4	170,940.6
November 2017	151.7	10,663.9	12,863.9	164,152.2
PAD District 1				
November 2018	W	9,620.9	1,633.6	43,633.9
October 2018	W	6,612.3	1,638.3	38,432.5
November 2017	W	6,216.6	1,562.8	37,155.9
Subdistrict 1A				
November 2018	-	2,074.2	W	3,457.1
October 2018	-	1,135.5	W	2,909.8
November 2017	-	W	W	1,873.8
Connecticut				
November 2018	-	971.1	W	1,554.2
October 2018	-	524.2	W	1,161.4
November 2017	-	W	W	471.6
Maine				
November 2018	-	W	-	W
October 2018	-	W	-	W
November 2017	-	W	-	207.6
Massachusetts				
November 2018	-	W	W	552.4
October 2018	-	W	W	409.0
November 2017	-	W	W	438.3
New Hampshire				
November 2018	-	W	W	W
October 2018	-	W	W	W
November 2017	-	W	W	W
Rhode Island				
November 2018	-	W	W	NA
October 2018	-	W	W	NA
November 2017	-	W	W	504.7
Vermont				
November 2018	-	W	-	W
October 2018	-	W	W	W
November 2017	-	W	W	W
Subdistrict 1B				
November 2018	W	7,066.2	W	24,416.2
October 2018	W	5,116.5	W	19,833.5
November 2017	W	5,218.8	W	20,899.8
Delaware				
November 2018	-	W	W	W
October 2018	-	W	W	W
November 2017	-	W	W	W
District of Columbia				
November 2018	-	-	-	W
October 2018	-	-	-	W
November 2017	-	-	-	W
Maryland				
November 2018	W	W	W	1,579.3
October 2018	-	W	W	1,454.1
November 2017	W	W	W	1,293.3
New Jersey				
November 2018	W	4,848.9	212.7	13,383.3
October 2018	-	3,329.6	173.6	9,487.6
November 2017	W	2,805.8	203.6	9,736.7
New York				
November 2018	-	970.8	196.4	2,066.8
October 2018	W	357.8	190.9	1,801.1
November 2017	W	800.3	182.0	1,744.3
Pennsylvania				
November 2018	W	831.6	265.4	6,512.8
October 2018	W	707.4	292.6	5,904.3
November 2017	-	1,104.4	272.0	7,590.0

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C				
November 2018	W	480.6	913.5	15,760.6
October 2018	-	360.4	927.0	15,689.1
November 2017	-	W	866.8	14,382.3
Florida				
November 2018	W	-	319.6	4,584.5
October 2018	-	-	255.6	4,901.7
November 2017	-	-	318.3	4,762.6
Georgia				
November 2018	-	W	70.3	2,728.7
October 2018	-	-	75.4	2,641.3
November 2017	-	-	94.8	2,244.9
North Carolina				
November 2018	-	W	373.7	3,162.6
October 2018	-	W	416.3	2,892.1
November 2017	-	W	274.3	2,812.5
South Carolina				
November 2018	-	W	W	1,765.9
October 2018	-	W	W	1,670.8
November 2017	-	-	W	1,306.3
Virginia				
November 2018	-	W	W	2,711.9
October 2018	-	W	W	2,731.4
November 2017	-	W	12.2	2,648.9
West Virginia				
November 2018	-	W	W	806.9
October 2018	-	W	W	851.8
November 2017	-	W	W	607.1
PAD District 2				
November 2018	W	W	4,612.8	45,015.7
October 2018	W	W	4,896.9	50,049.7
November 2017	W	W	4,660.7	45,022.0
Illinois				
November 2018	-	-	346.2	6,667.5
October 2018	-	-	372.2	7,192.6
November 2017	-	-	W	6,012.2
Indiana				
November 2018	-	-	W	3,778.4
October 2018	-	-	W	4,219.5
November 2017	-	-	W	3,801.0
Iowa				
November 2018	-	-	26.6	2,261.4
October 2018	-	-	19.6	2,314.4
November 2017	-	-	18.7	2,724.6
Kansas				
November 2018	-	-	484.0	3,374.4
October 2018	-	-	413.7	3,651.6
November 2017	-	-	480.0	3,471.9
Kentucky				
November 2018	-	-	483.0	1,818.3
October 2018	-	-	469.6	2,027.5
November 2017	-	W	W	1,823.5
Michigan				
November 2018	-	W	243.7	2,619.7
October 2018	-	W	242.3	2,668.9
November 2017	-	W	W	2,734.3
Minnesota				
November 2018	W	W	313.9	2,623.7
October 2018	W	W	340.4	2,987.4
November 2017	W	-	316.3	2,690.8
Missouri				
November 2018	-	-	W	1,606.3
October 2018	-	-	2.8	1,699.8
November 2017	-	-	W	1,661.4

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)				
Nebraska				
November 2018	-	-	W	1,417.1
October 2018	-	-	W	1,560.4
November 2017	-	-	W	1,588.4
North Dakota				
November 2018	W	-	W	1,190.3
October 2018	W	-	W	1,644.5
November 2017	W	-	W	1,131.5
Ohio				
November 2018	-	-	683.7	5,211.0
October 2018	-	-	788.1	5,773.4
November 2017	-	-	W	4,829.2
Oklahoma				
November 2018	-	-	W	5,988.3
October 2018	-	-	W	7,379.7
November 2017	-	-	512.0	5,913.0
South Dakota				
November 2018	W	-	W	614.0
October 2018	W	-	W	768.5
November 2017	W	-	W	755.6
Tennessee				
November 2018	-	-	352.2	3,644.7
October 2018	-	-	363.7	3,829.8
November 2017	-	-	289.6	3,280.0
Wisconsin				
November 2018	W	W	64.6	2,200.6
October 2018	W	-	55.9	2,331.7
November 2017	W	W	46.3	2,604.5
PAD District 3				
Alabama				
November 2018	-	3,131.6	3,118.3	51,792.0
October 2018	-	3,030.7	2,840.3	53,043.8
November 2017	-	4,226.5	2,869.2	57,233.5
Arkansas				
November 2018	-	-	W	1,296.2
October 2018	-	-	W	1,486.0
November 2017	-	-	W	1,420.8
Louisiana				
November 2018	-	W	245.6	10,172.3
October 2018	-	W	207.1	11,542.8
November 2017	-	W	161.0	16,388.8
Mississippi				
November 2018	-	W	W	2,191.0
October 2018	-	W	W	2,961.3
November 2017	-	W	W	2,884.9
New Mexico				
November 2018	-	-	426.8	1,265.9
October 2018	-	-	432.6	1,275.4
November 2017	-	-	330.7	1,338.3
Texas				
November 2018	-	1,674.4	2,186.1	35,112.0
October 2018	-	1,963.2	1,848.9	33,951.5
November 2017	-	2,640.1	2,081.4	33,751.3

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4				
November 2018	W	-	1,196.7	6,188.3
October 2018	W	-	1,277.6	6,967.1
November 2017	W	W	1,220.3	6,253.2
Colorado				
November 2018	-	-	213.6	2,011.5
October 2018	-	-	238.8	2,208.0
November 2017	-	-	236.6	2,054.6
Idaho				
November 2018	W	-	W	678.1
October 2018	W	-	W	769.1
November 2017	W	-	51.0	659.4
Montana				
November 2018	-	-	W	993.1
October 2018	-	-	W	1,179.9
November 2017	-	-	200.3	976.3
Utah				
November 2018	W	-	435.9	1,343.3
October 2018	W	-	459.4	1,556.6
November 2017	-	W	326.9	1,614.1
Wyoming				
November 2018	-	-	326.2	1,162.4
October 2018	-	-	334.3	1,253.5
November 2017	-	-	405.5	948.9
PAD District 5				
November 2018	W	W	2,757.8	20,373.2
October 2018	W	W	2,698.4	22,447.5
November 2017	W	W	2,550.9	18,487.6
Alaska				
November 2018	W	W	W	W
October 2018	W	W	W	W
November 2017	W	W	W	W
Arizona				
November 2018	-	-	460.1	953.7
October 2018	-	-	442.2	990.0
November 2017	-	-	405.8	1,024.0
California				
November 2018	-	-	1,219.8	12,528.3
October 2018	-	-	1,295.0	14,618.6
November 2017	-	-	1,166.1	11,382.5
Hawaii				
November 2018	-	-	W	W
October 2018	-	-	W	W
November 2017	-	-	W	W
Nevada				
November 2018	W	-	W	563.0
October 2018	W	-	NA	508.4
November 2017	W	-	W	518.2
Oregon				
November 2018	-	-	8.5	2,115.2
October 2018	-	-	3.9	2,224.9
November 2017	-	-	7.5	2,051.1
Washington				
November 2018	W	-	245.3	3,873.1
October 2018	W	-	262.1	3,486.6
November 2017	W	-	270.2	2,911.8

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District
thousand gallons per day

Geographic area month	Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total		Sales to end users	Sales for resale
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States								
November 2018	W	206.1	W	6,525.1	3,360.9	6,731.3	-	W
October 2018	W	240.4	W	7,044.0	3,773.4	7,284.4	-	W
November 2017	W	592.5	W	6,646.7	4,254.6	7,239.3	-	W
PAD District 1								
November 2018	W	W	W	W	W	2,130.1	-	-
October 2018	W	W	W	W	W	W	-	-
November 2017	W	W	W	W	W	2,315.6	-	-
Subdistrict 1A								
November 2018	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-
Subdistrict 1B								
November 2018	W	W	W	W	W	2,130.1	-	-
October 2018	W	W	W	W	W	W	-	-
November 2017	W	W	W	W	W	W	-	-
Subdistrict 1C								
November 2018	-	-	-	-	-	-	-	-
October 2018	-	-	-	-	-	-	-	-
November 2017	-	-	W	W	W	W	-	-
PAD District 2								
November 2018	-	-	W	W	W	W	-	-
October 2018	-	-	W	W	W	W	-	-
November 2017	-	-	-	W	-	W	-	W
PAD District 3								
November 2018	-	W	685.9	W	685.9	3,626.8	-	W
October 2018	-	W	602.7	W	602.7	3,440.7	-	W
November 2017	-	W	W	W	W	3,808.8	-	W
PAD District 4								
November 2018	-	-	-	W	-	W	-	-
October 2018	-	-	-	W	-	W	-	-
November 2017	-	-	-	W	-	W	-	-
PAD District 5								
November 2018	W	W	W	W	2,405.0	W	-	-
October 2018	W	W	W	W	2,800.4	1,315.8	-	-
November 2017	W	W	W	W	2,956.4	W	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Prime Supplier Sales Volumes of Petroleum Products for Local Consumption

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
November 2018	221,184.9	104,471.5	325,656.4	3,588.4	2,224.6	5,813.0
October 2018	225,261.7	105,637.6	330,899.3	3,614.8	2,273.0	5,887.8
November 2017	222,931.9	102,541.5	325,473.4	3,975.7	2,379.2	6,354.9
PAD District 1						
November 2018	66,397.8	40,756.9	107,154.8	1,320.3	837.4	2,157.7
October 2018	68,055.4	41,589.7	109,645.0	1,330.8	864.2	2,195.0
November 2017	66,069.1	40,422.5	106,491.7	1,385.6	907.3	2,292.9
Subdistrict 1A						
November 2018	1,713.9	12,848.2	14,562.1	15.2	286.2	301.5
October 2018	1,897.1	13,164.7	15,061.8	16.8	299.5	316.3
November 2017	1,799.4	13,123.9	14,923.4	14.7	302.6	317.3
Connecticut						
November 2018	-	3,612.1	3,612.1	-	75.9	75.9
October 2018	-	3,586.8	3,586.8	-	80.1	80.1
November 2017	-	3,717.4	3,717.4	-	85.3	85.3
Maine						
November 2018	692.7	1,080.2	1,772.9	5.0	14.9	19.9
October 2018	776.6	1,151.0	1,927.6	5.5	16.7	22.3
November 2017	696.9	1,122.5	1,819.4	2.6	14.9	17.5
Massachusetts						
November 2018	-	5,543.1	5,543.1	-	144.8	144.8
October 2018	-	5,700.4	5,700.4	-	150.1	150.1
November 2017	-	5,671.5	5,671.5	-	147.7	147.7
New Hampshire						
November 2018	278.1	1,111.9	1,390.0	2.4	21.1	23.5
October 2018	300.5	1,153.9	1,454.4	2.1	21.6	23.8
November 2017	327.0	1,031.8	1,358.8	2.3	21.2	23.5
Rhode Island						
November 2018	-	1,500.8	1,500.8	-	29.5	29.5
October 2018	-	1,572.5	1,572.5	-	31.0	31.0
November 2017	-	1,580.7	1,580.7	-	33.5	33.5
Vermont						
November 2018	743.1	-	743.1	7.9	-	7.9
October 2018	820.1	-	820.1	9.1	-	9.1
November 2017	775.6	-	775.6	9.9	-	9.9
Subdistrict 1B						
November 2018	12,599.3	23,709.2	36,308.5	128.7	479.0	607.7
October 2018	12,953.9	24,084.4	37,038.3	125.5	488.9	614.4
November 2017	12,241.7	23,205.2	35,446.9	167.5	499.7	667.2
Delaware						
November 2018	-	1,163.2	1,163.2	-	8.2	8.2
October 2018	-	1,215.5	1,215.5	-	9.5	9.5
November 2017	-	1,131.4	1,131.4	-	10.3	10.3
District of Columbia						
November 2018	-	155.9	155.9	-	3.0	3.0
October 2018	-	164.8	164.8	-	2.9	2.9
November 2017	-	145.1	145.1	-	5.9	5.9
Maryland						
November 2018	516.4	4,251.4	4,767.8	4.0	55.6	59.6
October 2018	511.1	4,285.9	4,797.0	4.4	63.5	67.9
November 2017	513.5	4,002.1	4,515.7	4.3	50.9	55.2
New Jersey						
November 2018	-	8,738.2	8,738.2	-	129.0	129.0
October 2018	-	8,785.9	8,785.9	-	129.2	129.2
November 2017	-	8,426.5	8,426.5	-	133.6	133.6
New York						
November 2018	6,005.5	6,983.4	12,988.9	71.4	257.9	329.3
October 2018	5,985.6	7,087.1	13,072.7	64.9	256.9	321.9
November 2017	5,566.6	7,201.3	12,767.9	75.6	252.7	328.3
Pennsylvania						
November 2018	6,077.4	2,417.0	8,494.5	53.3	25.3	78.6
October 2018	6,457.2	2,545.1	9,002.4	56.2	26.8	83.0
November 2017	6,161.5	2,298.8	8,460.3	87.6	46.3	133.9

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
November 2018	22,327.2	19,124.6	41,451.8	247,100.5	125,820.7	372,921.1
October 2018	22,670.9	18,878.5	41,549.4	251,547.3	126,789.2	378,336.5
November 2017	22,581.4	18,961.6	41,543.0	249,489.0	123,882.3	373,371.4
PAD District 1						
November 2018	7,121.6	6,676.0	13,797.6	74,839.7	48,270.3	123,110.0
October 2018	7,220.3	6,519.3	13,739.6	76,606.5	48,973.2	125,579.6
November 2017	7,321.0	6,508.8	13,829.8	74,775.7	47,838.7	122,614.4
Subdistrict 1A						
November 2018	100.2	1,706.1	1,806.3	1,829.3	14,840.5	16,669.8
October 2018	115.9	1,644.3	1,760.2	2,029.8	15,108.5	17,138.3
November 2017	130.7	1,700.5	1,831.2	1,944.9	15,127.0	17,071.9
Connecticut						
November 2018	-	539.6	539.6	-	4,227.6	4,227.6
October 2018	-	498.6	498.6	-	4,165.6	4,165.6
November 2017	-	562.3	562.3	-	4,365.1	4,365.1
Maine						
November 2018	32.8	78.7	111.5	730.5	1,173.8	1,904.4
October 2018	35.7	89.9	125.6	817.9	1,257.7	2,075.5
November 2017	41.6	77.4	119.0	741.1	1,214.8	1,955.9
Massachusetts						
November 2018	-	771.9	771.9	-	6,459.8	6,459.8
October 2018	-	727.7	727.7	-	6,578.2	6,578.2
November 2017	-	745.4	745.4	-	6,564.5	6,564.5
New Hampshire						
November 2018	10.9	111.3	122.2	291.4	1,244.3	1,535.7
October 2018	13.6	120.6	134.2	316.2	1,296.2	1,612.4
November 2017	27.3	100.5	127.8	356.5	1,153.5	1,510.0
Rhode Island						
November 2018	-	204.6	204.6	-	1,735.0	1,735.0
October 2018	-	207.4	207.4	-	1,810.8	1,810.8
November 2017	-	214.9	214.9	-	1,829.1	1,829.1
Vermont						
November 2018	56.5	-	56.5	807.4	-	807.4
October 2018	66.6	-	66.6	895.8	-	895.8
November 2017	61.8	-	61.8	847.3	-	847.3
Subdistrict 1B						
November 2018	995.4	4,191.3	5,186.7	13,723.4	28,379.5	42,102.9
October 2018	1,058.1	4,100.1	5,158.2	14,137.5	28,673.5	42,810.9
November 2017	1,033.4	4,069.0	5,102.5	13,442.6	27,774.0	41,216.6
Delaware						
November 2018	-	131.2	131.2	-	1,302.6	1,302.6
October 2018	-	143.0	143.0	-	1,368.0	1,368.0
November 2017	-	129.1	129.1	-	1,270.8	1,270.8
District of Columbia						
November 2018	-	34.6	34.6	-	193.5	193.5
October 2018	-	34.1	34.1	-	201.8	201.8
November 2017	-	33.5	33.5	-	184.5	184.5
Maryland						
November 2018	37.8	732.7	770.5	558.2	5,039.7	5,597.9
October 2018	45.1	682.9	728.0	560.6	5,032.3	5,592.9
November 2017	42.2	661.3	703.5	560.0	4,714.4	5,274.4
New Jersey						
November 2018	-	1,315.4	1,315.4	-	10,182.6	10,182.6
October 2018	-	1,312.5	1,312.5	-	10,227.6	10,227.6
November 2017	-	1,294.6	1,294.6	-	9,854.7	9,854.7
New York						
November 2018	465.1	1,610.0	2,075.1	6,542.0	8,851.2	15,393.2
October 2018	496.6	1,571.9	2,068.5	6,547.1	8,915.9	15,463.1
November 2017	477.6	1,621.3	2,098.9	6,119.8	9,075.3	15,195.1
Pennsylvania						
November 2018	492.5	367.4	859.9	6,623.2	2,809.8	9,433.0
October 2018	516.3	355.8	872.1	7,029.7	2,927.8	9,957.5
November 2017	513.7	329.2	842.8	6,762.8	2,674.3	9,437.1

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
November 2018	52,084.6	4,199.5	56,284.2	1,176.3	72.2	1,248.5
October 2018	53,204.4	4,340.5	57,544.9	1,188.5	75.7	1,264.3
November 2017	52,028.0	4,093.4	56,121.4	1,203.4	105.0	1,308.4
Florida						
November 2018	17,484.0	-	17,484.0	315.1	-	315.1
October 2018	17,877.0	-	17,877.0	313.0	-	313.0
November 2017	17,277.3	-	17,277.3	315.2	-	315.2
Georgia						
November 2018	11,708.1	-	11,708.1	333.7	-	333.7
October 2018	12,087.7	-	12,087.7	344.1	-	344.1
November 2017	11,734.3	-	11,734.3	334.8	-	334.8
North Carolina						
November 2018	10,666.5	-	10,666.5	268.9	-	268.9
October 2018	10,808.7	-	10,808.7	272.3	-	272.3
November 2017	10,982.3	-	10,982.3	270.7	-	270.7
South Carolina						
November 2018	6,421.2	-	6,421.2	176.2	-	176.2
October 2018	6,530.9	-	6,530.9	176.3	-	176.3
November 2017	6,247.5	-	6,247.5	178.3	-	178.3
Virginia						
November 2018	3,780.1	4,199.5	7,979.6	64.5	72.2	136.7
October 2018	3,846.1	4,340.5	8,186.6	65.1	75.7	140.8
November 2017	3,871.4	4,093.4	7,964.7	74.7	105.0	179.7
West Virginia						
November 2018	2,024.7	-	2,024.7	17.9	-	17.9
October 2018	2,054.0	-	2,054.0	17.9	-	17.9
November 2017	1,915.3	-	1,915.3	29.7	-	29.7
PAD District 2						
November 2018	79,637.1	13,721.0	93,358.1	1,130.2	188.0	1,318.2
October 2018	81,002.2	13,611.4	94,613.6	1,138.1	192.9	1,331.0
November 2017	79,332.5	13,515.4	92,847.9	1,231.3	191.5	1,422.8
Illinois						
November 2018	4,382.4	7,464.1	11,846.5	61.5	89.7	151.2
October 2018	4,504.4	7,315.8	11,820.1	58.9	92.1	151.0
November 2017	4,416.6	7,208.6	11,625.2	68.0	89.9	157.8
Indiana						
November 2018	6,838.5	1,022.7	7,861.2	84.5	22.5	107.0
October 2018	6,845.7	1,015.1	7,860.9	83.2	22.7	105.9
November 2017	6,665.6	1,008.0	7,673.6	90.0	21.5	111.5
Iowa						
November 2018	2,794.6	-	2,794.6	93.0	-	93.0
October 2018	2,816.3	-	2,816.3	86.2	-	86.2
November 2017	2,925.3	-	2,925.3	97.5	-	97.5
Kansas						
November 2018	4,012.7	-	4,012.7	57.8	-	57.8
October 2018	4,007.5	-	4,007.5	50.5	-	50.5
November 2017	4,129.0	-	4,129.0	54.4	-	54.4
Kentucky						
November 2018	4,462.6	838.0	5,300.6	60.0	16.4	76.4
October 2018	4,472.7	843.5	5,316.2	57.3	16.0	73.3
November 2017	4,050.2	1,097.5	5,147.8	59.4	17.1	76.4
Michigan						
November 2018	12,149.8	-	12,149.8	76.5	-	76.5
October 2018	12,425.0	-	12,425.0	82.5	-	82.5
November 2017	12,033.6	-	12,033.6	74.9	-	74.9
Minnesota						
November 2018	5,486.3	-	5,486.3	102.0	-	102.0
October 2018	5,825.1	-	5,825.1	123.0	-	123.0
November 2017	5,685.5	-	5,685.5	147.9	-	147.9
Missouri						
November 2018	4,840.6	2,433.3	7,273.9	79.6	41.1	120.7
October 2018	4,929.8	2,483.9	7,413.7	79.9	43.7	123.7
November 2017	5,062.7	2,239.2	7,301.9	80.9	41.9	122.9

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
November 2018	6,026.0	778.6	6,804.6	59,286.9	5,050.3	64,337.3
October 2018	6,046.3	774.9	6,821.2	60,439.2	5,191.2	65,630.4
November 2017	6,156.8	739.3	6,896.2	59,388.3	4,937.7	64,326.0
Florida						
November 2018	2,334.0	-	2,334.0	20,133.0	-	20,133.0
October 2018	2,354.1	-	2,354.1	20,544.1	-	20,544.1
November 2017	2,375.8	-	2,375.8	19,968.2	-	19,968.2
Georgia						
November 2018	1,455.4	-	1,455.4	13,497.2	-	13,497.2
October 2018	1,460.6	-	1,460.6	13,892.4	-	13,892.4
November 2017	1,500.5	-	1,500.5	13,569.7	-	13,569.7
North Carolina						
November 2018	1,183.9	-	1,183.9	12,119.2	-	12,119.2
October 2018	1,192.8	-	1,192.8	12,273.8	-	12,273.8
November 2017	1,239.1	-	1,239.1	12,492.1	-	12,492.1
South Carolina						
November 2018	647.7	-	647.7	7,245.1	-	7,245.1
October 2018	622.4	-	622.4	7,329.5	-	7,329.5
November 2017	619.5	-	619.5	7,045.3	-	7,045.3
Virginia						
November 2018	304.4	778.6	1,083.0	4,149.1	5,050.3	9,199.4
October 2018	306.3	774.9	1,081.2	4,217.5	5,191.2	9,408.7
November 2017	323.1	739.3	1,062.4	4,269.2	4,937.7	9,206.9
West Virginia						
November 2018	100.6	-	100.6	2,143.2	-	2,143.2
October 2018	110.1	-	110.1	2,182.0	-	2,182.0
November 2017	98.8	-	98.8	2,043.8	-	2,043.8
PAD District 2						
November 2018	5,953.6	1,509.2	7,462.8	86,721.0	15,418.2	102,139.1
October 2018	6,083.0	1,503.7	7,586.7	88,223.4	15,308.0	103,531.4
November 2017	5,863.2	1,491.9	7,355.1	86,427.0	15,198.8	101,625.8
Illinois						
November 2018	230.8	960.1	1,190.8	4,674.6	8,513.9	13,188.5
October 2018	229.4	946.4	1,175.8	4,792.6	8,354.3	13,146.9
November 2017	206.9	936.4	1,143.3	4,691.4	8,234.9	12,926.3
Indiana						
November 2018	426.9	97.0	523.9	7,350.0	1,142.1	8,492.1
October 2018	436.1	92.6	528.7	7,365.0	1,130.4	8,495.5
November 2017	416.9	101.9	518.8	7,172.5	1,131.4	8,303.9
Iowa						
November 2018	323.3	-	323.3	3,210.9	-	3,210.9
October 2018	297.3	-	297.3	3,199.8	-	3,199.8
November 2017	312.3	-	312.3	3,335.2	-	3,335.2
Kansas						
November 2018	335.0	-	335.0	4,405.5	-	4,405.5
October 2018	319.3	-	319.3	4,377.3	-	4,377.3
November 2017	310.3	-	310.3	4,493.6	-	4,493.6
Kentucky						
November 2018	248.5	77.5	326.0	4,771.2	931.9	5,703.0
October 2018	244.6	79.5	324.1	4,774.5	939.1	5,713.6
November 2017	226.1	89.4	315.5	4,335.7	1,204.0	5,539.7
Michigan						
November 2018	666.6	-	666.6	12,892.9	-	12,892.9
October 2018	714.8	-	714.8	13,222.2	-	13,222.2
November 2017	673.4	-	673.4	12,781.9	-	12,781.9
Minnesota						
November 2018	508.2	-	508.2	6,096.5	-	6,096.5
October 2018	521.6	-	521.6	6,469.8	-	6,469.8
November 2017	460.0	-	460.0	6,293.4	-	6,293.4
Missouri						
November 2018	350.8	212.8	563.6	5,271.0	2,687.2	7,958.2
October 2018	353.5	221.6	575.1	5,363.2	2,749.3	8,112.5
November 2017	358.3	196.9	555.2	5,501.9	2,478.0	7,980.0

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
November 2018	2,040.4	-	2,040.4	41.0	-	41.0
October 2018	2,058.4	-	2,058.4	35.7	-	35.7
November 2017	1,969.8	-	1,969.8	41.2	-	41.2
North Dakota						
November 2018	981.5	-	981.5	23.2	-	23.2
October 2018	1,006.9	-	1,006.9	23.3	-	23.3
November 2017	957.4	-	957.4	27.3	-	27.3
Ohio						
November 2018	12,474.2	-	12,474.2	151.3	-	151.3
October 2018	12,688.3	-	12,688.3	153.8	-	153.8
November 2017	12,141.9	-	12,141.9	159.7	-	159.7
Oklahoma						
November 2018	5,127.4	-	5,127.4	65.1	-	65.1
October 2018	5,104.4	-	5,104.4	65.0	-	65.0
November 2017	4,954.8	-	4,954.8	65.9	-	65.9
South Dakota						
November 2018	1,094.8	-	1,094.8	26.9	-	26.9
October 2018	1,120.4	-	1,120.4	26.5	-	26.5
November 2017	1,072.3	-	1,072.3	28.7	-	28.7
Tennessee						
November 2018	8,637.2	-	8,637.2	170.9	-	170.9
October 2018	8,656.9	-	8,656.9	172.1	-	172.1
November 2017	8,682.7	-	8,682.7	185.4	-	185.4
Wisconsin						
November 2018	4,314.0	1,963.0	6,277.0	36.9	18.2	55.1
October 2018	4,540.5	1,953.1	6,493.5	40.2	18.3	58.5
November 2017	4,584.9	1,962.0	6,546.9	50.1	21.1	71.1
PAD District 3						
November 2018	46,006.6	16,301.6	62,308.3	551.6	273.5	825.1
October 2018	46,195.0	15,790.6	61,985.6	541.5	270.4	811.9
November 2017	48,630.3	14,871.1	63,501.4	709.1	313.7	1,022.8
Alabama						
November 2018	6,290.5	-	6,290.5	83.8	-	83.8
October 2018	6,455.3	-	6,455.3	92.6	-	92.6
November 2017	6,057.5	-	6,057.5	84.4	-	84.4
Arkansas						
November 2018	3,603.3	-	3,603.3	43.6	-	43.6
October 2018	3,651.9	-	3,651.9	40.4	-	40.4
November 2017	3,578.1	-	3,578.1	47.3	-	47.3
Louisiana						
November 2018	6,795.1	-	6,795.1	53.9	-	53.9
October 2018	7,257.6	-	7,257.6	51.5	-	51.5
November 2017	6,629.5	-	6,629.5	55.9	-	55.9
Mississippi						
November 2018	3,945.9	-	3,945.9	54.0	-	54.0
October 2018	4,064.3	-	4,064.3	52.6	-	52.6
November 2017	4,398.1	-	4,398.1	55.3	-	55.3
New Mexico						
November 2018	2,428.0	-	2,428.0	80.3	-	80.3
October 2018	2,516.2	-	2,516.2	81.0	-	81.0
November 2017	2,420.5	-	2,420.5	85.6	-	85.6
Texas						
November 2018	22,943.9	16,301.6	39,245.5	236.0	273.5	509.5
October 2018	22,249.6	15,790.6	38,040.3	223.4	270.4	493.8
November 2017	25,546.6	14,871.1	40,417.7	380.6	313.7	694.3

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
November 2018	227.9	-	227.9	2,309.3	-	2,309.3
October 2018	219.3	-	219.3	2,313.4	-	2,313.4
November 2017	218.4	-	218.4	2,229.5	-	2,229.5
North Dakota						
November 2018	91.2	-	91.2	1,096.0	-	1,096.0
October 2018	98.4	-	98.4	1,128.5	-	1,128.5
November 2017	94.0	-	94.0	1,078.7	-	1,078.7
Ohio						
November 2018	827.4	-	827.4	13,452.9	-	13,452.9
October 2018	857.9	-	857.9	13,700.0	-	13,700.0
November 2017	810.4	-	810.4	13,112.0	-	13,112.0
Oklahoma						
November 2018	465.7	-	465.7	5,658.2	-	5,658.2
October 2018	456.2	-	456.2	5,625.6	-	5,625.6
November 2017	457.3	-	457.3	5,478.0	-	5,478.0
South Dakota						
November 2018	108.9	-	108.9	1,230.6	-	1,230.6
October 2018	104.3	-	104.3	1,251.2	-	1,251.2
November 2017	96.1	-	96.1	1,197.1	-	1,197.1
Tennessee						
November 2018	816.5	-	816.5	9,624.6	-	9,624.6
October 2018	852.5	-	852.5	9,681.4	-	9,681.4
November 2017	909.6	-	909.6	9,777.7	-	9,777.7
Wisconsin						
November 2018	325.9	161.9	487.7	4,676.8	2,143.1	6,819.9
October 2018	378.1	163.5	541.7	4,958.8	2,134.9	7,093.7
November 2017	313.4	167.4	480.8	4,948.4	2,150.5	7,098.9
PAD District 3						
November 2018	3,801.5	2,206.5	6,008.0	50,359.7	18,781.7	69,141.4
October 2018	3,821.5	2,129.6	5,951.1	50,557.9	18,190.6	68,748.6
November 2017	3,989.7	2,133.2	6,122.9	53,329.1	17,318.0	70,647.0
Alabama						
November 2018	553.0	-	553.0	6,927.3	-	6,927.3
October 2018	557.1	-	557.1	7,105.0	-	7,105.0
November 2017	545.7	-	545.7	6,687.6	-	6,687.6
Arkansas						
November 2018	305.0	-	305.0	3,951.9	-	3,951.9
October 2018	287.3	-	287.3	3,979.6	-	3,979.6
November 2017	278.4	-	278.4	3,903.8	-	3,903.8
Louisiana						
November 2018	544.8	-	544.8	7,393.8	-	7,393.8
October 2018	576.5	-	576.5	7,885.6	-	7,885.6
November 2017	544.4	-	544.4	7,229.8	-	7,229.8
Mississippi						
November 2018	285.6	-	285.6	4,285.5	-	4,285.5
October 2018	291.1	-	291.1	4,407.9	-	4,407.9
November 2017	297.2	-	297.2	4,750.6	-	4,750.6
New Mexico						
November 2018	301.9	-	301.9	2,810.2	-	2,810.2
October 2018	306.8	-	306.8	2,904.0	-	2,904.0
November 2017	294.2	-	294.2	2,800.3	-	2,800.3
Texas						
November 2018	1,811.1	2,206.5	4,017.6	24,991.0	18,781.7	43,772.7
October 2018	1,802.8	2,129.6	3,932.4	24,275.8	18,190.6	42,466.5
November 2017	2,029.7	2,133.2	4,162.9	27,956.9	17,318.0	45,274.9

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
November 2018	11,918.0	-	11,918.0	269.7	-	269.7
October 2018	12,417.1	-	12,417.1	277.4	-	277.4
November 2017	11,993.9	-	11,993.9	298.4	-	298.4
Colorado						
November 2018	5,062.3	-	5,062.3	108.2	-	108.2
October 2018	5,141.4	-	5,141.4	113.0	-	113.0
November 2017	5,239.7	-	5,239.7	126.0	-	126.0
Idaho						
November 2018	1,646.7	-	1,646.7	20.6	-	20.6
October 2018	1,762.0	-	1,762.0	21.4	-	21.4
November 2017	1,692.2	-	1,692.2	24.5	-	24.5
Montana						
November 2018	1,658.7	-	1,658.7	70.8	-	70.8
October 2018	1,692.6	-	1,692.6	68.6	-	68.6
November 2017	1,523.0	-	1,523.0	68.6	-	68.6
Utah						
November 2018	2,829.7	-	2,829.7	54.1	-	54.1
October 2018	2,953.5	-	2,953.5	59.7	-	59.7
November 2017	2,751.6	-	2,751.6	60.6	-	60.6
Wyoming						
November 2018	720.6	-	720.6	16.0	-	16.0
October 2018	867.6	-	867.6	14.7	-	14.7
November 2017	787.4	-	787.4	18.7	-	18.7
PAD District 5						
November 2018	17,225.3	33,692.0	50,917.2	316.6	925.7	1,242.3
October 2018	17,592.0	34,645.9	52,238.0	327.0	945.5	1,272.5
November 2017	16,906.2	33,732.4	50,638.6	351.3	966.8	1,318.1
Alaska						
November 2018	554.4	-	554.4	W	-	W
October 2018	587.4	-	587.4	W	-	W
November 2017	589.6	-	589.6	W	-	W
Arizona						
November 2018	2,762.0	4,173.1	6,935.1	W	W	129.9
October 2018	2,779.6	4,184.6	6,964.2	W	W	126.9
November 2017	2,864.0	4,205.9	7,069.9	W	W	137.7
California						
November 2018	-	29,518.9	29,518.9	-	W	848.9
October 2018	-	30,461.4	30,461.4	-	W	870.5
November 2017	-	29,526.5	29,526.5	-	W	882.5
Hawaii						
November 2018	950.4	-	950.4	W	-	W
October 2018	970.7	-	970.7	W	-	W
November 2017	972.3	-	972.3	W	-	W
Nevada						
November 2018	2,464.3	-	2,464.3	70.8	-	70.8
October 2018	2,552.5	-	2,552.5	72.8	-	72.8
November 2017	2,535.0	-	2,535.0	85.6	-	85.6
Oregon						
November 2018	3,897.0	-	3,897.0	25.5	-	25.5
October 2018	3,960.2	-	3,960.2	26.9	-	26.9
November 2017	3,776.4	-	3,776.4	30.4	-	30.4
Washington						
November 2018	6,597.2	-	6,597.2	85.7	-	85.7
October 2018	6,741.6	-	6,741.6	89.1	-	89.1
November 2017	6,168.9	-	6,168.9	93.4	-	93.4

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
November 2018	2,478.9	-	2,478.9	14,666.6	-	14,666.6
October 2018	2,537.5	-	2,537.5	15,231.9	-	15,231.9
November 2017	2,465.9	-	2,465.9	14,758.1	-	14,758.1
Colorado						
November 2018	1,045.5	-	1,045.5	6,216.0	-	6,216.0
October 2018	1,038.5	-	1,038.5	6,293.0	-	6,293.0
November 2017	1,036.7	-	1,036.7	6,402.4	-	6,402.4
Idaho						
November 2018	256.0	-	256.0	1,923.3	-	1,923.3
October 2018	282.7	-	282.7	2,066.1	-	2,066.1
November 2017	264.4	-	264.4	1,981.1	-	1,981.1
Montana						
November 2018	263.3	-	263.3	1,992.8	-	1,992.8
October 2018	270.9	-	270.9	2,032.1	-	2,032.1
November 2017	268.0	-	268.0	1,859.6	-	1,859.6
Utah						
November 2018	780.3	-	780.3	3,664.1	-	3,664.1
October 2018	785.0	-	785.0	3,798.2	-	3,798.2
November 2017	750.9	-	750.9	3,563.0	-	3,563.0
Wyoming						
November 2018	133.9	-	133.9	870.5	-	870.5
October 2018	160.3	-	160.3	1,042.6	-	1,042.6
November 2017	146.0	-	146.0	952.0	-	952.0
PAD District 5						
November 2018	2,971.7	8,732.9	11,704.5	20,513.5	43,350.5	63,864.0
October 2018	3,008.5	8,725.9	11,734.5	20,927.6	44,317.4	65,245.0
November 2017	2,941.6	8,827.7	11,769.3	20,199.1	43,526.9	63,726.0
Alaska						
November 2018	W	-	W	625.6	-	625.6
October 2018	W	-	W	666.4	-	666.4
November 2017	W	-	W	668.9	-	668.9
Arizona						
November 2018	W	W	950.2	W	W	8,015.2
October 2018	W	W	905.7	3,216.6	4,780.1	7,996.7
November 2017	W	W	980.7	3,294.5	4,893.8	8,188.3
California						
November 2018	-	W	8,185.8	-	38,553.6	38,553.6
October 2018	-	W	8,205.5	-	39,537.3	39,537.3
November 2017	-	W	8,224.1	-	38,633.1	38,633.1
Hawaii						
November 2018	W	-	W	1,249.7	-	1,249.7
October 2018	W	-	W	1,275.6	-	1,275.6
November 2017	W	-	W	1,283.3	-	1,283.3
Nevada						
November 2018	W	W	606.4	W	W	3,141.5
October 2018	594.9	-	594.9	3,220.2	-	3,220.2
November 2017	625.5	-	625.5	3,246.2	-	3,246.2
Oregon						
November 2018	467.3	-	467.3	4,389.7	-	4,389.7
October 2018	477.3	-	477.3	4,464.4	-	4,464.4
November 2017	469.8	-	469.8	4,276.5	-	4,276.5
Washington						
November 2018	1,205.8	-	1,205.8	7,888.6	-	7,888.6
October 2018	1,253.5	-	1,253.5	8,084.3	-	8,084.3
November 2017	1,167.4	-	1,167.4	7,429.7	-	7,429.7

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil			Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%		
United States								
November 2018	395.8	62,799.3	W	40,337.2	1,009.8	10,957.6		11,967.5
October 2018	556.8	64,702.4	W	34,246.2	1,346.5	12,295.7		13,642.2
November 2017	405.9	63,977.6	W	41,134.4	2,034.6	12,010.5		14,045.2
PAD District 1								
November 2018	143.3	13,980.2	W	9,230.2	188.4	3,583.7		3,772.1
October 2018	154.4	14,167.7	W	6,385.7	198.1	3,818.3		4,016.4
November 2017	133.9	15,974.7	W	8,431.4	852.3	4,520.4		5,372.7
Subdistrict 1A								
November 2018	15.2	1,612.3	W	1,905.9	W	W		68.1
October 2018	14.7	1,858.6	W	1,143.1	W	W		63.1
November 2017	13.7	1,426.4	W	1,981.5	W	W		94.2
Connecticut								
November 2018	2.0	188.9	-	209.3	W	-		W
October 2018	1.5	213.2	-	124.7	W	-		W
November 2017	2.2	177.5	W	191.2	W	-		W
Maine								
November 2018	W	95.2	-	489.1	W	W		23.2
October 2018	2.5	133.7	-	294.7	W	W		38.1
November 2017	W	85.2	-	538.8	W	W		20.7
Massachusetts								
November 2018	8.5	1,178.1	W	323.6	W	W		22.7
October 2018	6.9	1,337.3	W	191.7	W	W		10.0
November 2017	6.5	977.8	W	387.5	W	W		48.5
New Hampshire								
November 2018	1.7	48.0	W	502.5	W	-		W
October 2018	1.9	61.4	W	296.4	W	-		W
November 2017	1.8	51.1	W	481.2	W	W		W
Rhode Island								
November 2018	W	77.4	-	35.2	W	-		W
October 2018	W	83.3	W	19.1	W	-		W
November 2017	1.1	110.2	-	61.6	W	-		W
Vermont								
November 2018	W	24.7	W	346.3	W	W		W
October 2018	W	29.6	W	216.4	W	-		W
November 2017	W	24.5	W	321.1	W	W		W
Subdistrict 1B								
November 2018	25.4	7,700.9	W	3,530.0	W	W		2,390.1
October 2018	30.0	7,777.0	W	2,351.9	W	W		2,756.4
November 2017	25.6	9,145.7	W	3,212.6	W	W		3,620.1
Delaware								
November 2018	1.0	13.6	W	177.6	-	-		-
October 2018	0.6	13.9	-	113.5	-	W		W
November 2017	0.9	11.7	-	W	-	-		-
District of Columbia								
November 2018	-	-	-	-	-	-		-
October 2018	-	-	-	-	-	-		-
November 2017	-	-	-	W	-	-		-
Maryland								
November 2018	4.0	198.9	-	341.1	-	W		W
October 2018	6.0	215.5	-	232.9	-	W		W
November 2017	3.3	211.7	-	323.6	-	W		W
New Jersey								
November 2018	4.9	3,254.6	W	191.8	W	W		1,841.4
October 2018	5.9	3,260.8	W	139.3	130.7	1,826.9		1,957.6
November 2017	5.9	3,118.9	-	201.2	W	W		1,943.3
New York								
November 2018	9.0	3,334.4	W	1,326.2	W	W		387.8
October 2018	8.6	3,624.5	W	823.1	21.0	723.3		744.3
November 2017	8.0	3,490.7	W	1,273.2	85.1	1,039.5		1,124.6
Pennsylvania								
November 2018	6.5	899.4	-	1,493.3	W	W		W
October 2018	8.9	662.4	-	1,043.1	W	W		W
November 2017	7.5	2,312.7	-	1,259.0	W	-		W

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil			Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%		
Subdistrict 1C								
November 2018	102.7	4,667.0	-	3,794.3	-	1,314.0	-	1,314.0
October 2018	109.7	4,532.2	-	2,890.7	-	1,196.9	-	1,196.9
November 2017	94.7	5,402.6	-	3,237.4	-	1,658.4	-	1,658.4
Florida								
November 2018	58.0	2,583.9	-	576.6	-	1,151.4	-	1,151.4
October 2018	57.7	2,388.7	-	546.2	-	800.0	-	800.0
November 2017	57.3	3,333.8	-	415.2	-	1,313.8	-	1,313.8
Georgia								
November 2018	12.5	364.9	-	679.1	-	105.9	-	105.9
October 2018	18.5	341.1	-	519.2	-	182.7	-	182.7
November 2017	13.7	535.1	-	572.8	-	64.1	-	64.1
North Carolina								
November 2018	12.2	421.1	-	1,025.1	-	W	-	W
October 2018	12.2	394.6	-	722.9	-	W	-	W
November 2017	10.2	278.5	-	1,020.6	-	W	-	W
South Carolina								
November 2018	7.1	241.7	-	639.1	-	29.2	-	29.2
October 2018	8.1	263.9	-	439.6	-	W	-	W
November 2017	5.8	236.4	-	581.8	-	W	-	W
Virginia								
November 2018	12.0	1,031.9	-	707.2	-	W	-	W
October 2018	10.2	1,118.5	-	493.5	-	W	-	W
November 2017	6.5	999.4	-	516.6	-	W	-	W
West Virginia								
November 2018	1.0	23.5	-	167.1	-	-	-	-
October 2018	3.1	25.3	-	169.3	-	-	-	-
November 2017	1.2	19.3	-	130.3	-	-	-	-
PAD District 2								
November 2018	78.6	11,050.2	-	14,540.9	-	W	-	W
October 2018	103.5	11,774.7	-	12,142.3	-	W	-	W
November 2017	80.6	10,930.6	-	15,117.2	-	W	-	W
Illinois								
November 2018	6.4	2,905.3	-	1,357.3	-	W	-	W
October 2018	10.4	3,136.8	-	1,034.1	-	W	-	W
November 2017	8.8	2,944.1	-	1,553.8	-	W	-	W
Indiana								
November 2018	4.7	1,011.9	-	636.8	-	W	-	W
October 2018	8.9	1,363.4	-	505.7	-	W	-	W
November 2017	5.1	1,066.8	-	754.9	-	W	-	W
Iowa								
November 2018	2.6	100.9	-	1,818.1	-	-	-	-
October 2018	3.8	103.0	-	2,127.4	-	-	-	-
November 2017	3.0	87.6	-	2,506.0	-	-	-	-
Kansas								
November 2018	6.6	118.8	-	872.4	-	-	-	-
October 2018	6.6	130.1	-	667.5	-	-	-	-
November 2017	4.7	121.5	-	1,090.2	-	-	-	-
Kentucky								
November 2018	3.8	1,607.6	-	506.1	-	-	-	-
October 2018	3.9	1,693.6	-	360.8	-	-	-	-
November 2017	2.4	1,607.6	-	366.4	-	W	-	W
Michigan								
November 2018	6.1	614.3	-	1,181.6	-	W	-	W
October 2018	7.8	548.6	-	807.4	-	W	-	W
November 2017	5.6	419.5	-	1,033.5	-	W	-	W
Minnesota								
November 2018	5.3	365.3	-	1,702.9	-	W	-	W
October 2018	8.5	368.8	-	1,830.3	-	W	-	W
November 2017	5.9	345.4	-	2,337.9	-	W	-	W
Missouri								
November 2018	7.6	373.8	-	1,252.0	-	-	-	-
October 2018	8.4	385.6	-	834.4	-	-	-	-
November 2017	6.9	319.1	-	706.5	-	-	-	-

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil			Total residual fuel oil					
					Sulfur less than or equal to 1%	Sulfur greater than 1%							
PAD District 2 (cont.)													
Nebraska													
November 2018	1.8	184.5	-	404.9	-	-	-	-					
October 2018	3.7	183.2	-	420.5	-	-	-	-					
November 2017	3.5	157.0	-	331.8	-	-	-	-					
North Dakota													
November 2018	W	96.4	-	1,087.2	-	-	-	-					
October 2018	4.4	110.5	-	801.5	-	-	-	-					
November 2017	W	72.5	-	886.4	-	-	-	-					
Ohio													
November 2018	9.6	1,062.4	-	1,076.1	-	-	-	-					
October 2018	10.3	1,111.1	-	863.1	-	-	-	-					
November 2017	10.5	1,052.4	-	977.7	-	-	-	-					
Oklahoma													
November 2018	7.3	829.9	-	378.5	-	-	-	-					
October 2018	7.3	839.3	-	315.6	-	-	-	-					
November 2017	5.8	1,088.6	-	213.4	-	-	-	-					
South Dakota													
November 2018	W	45.7	-	404.7	-	W	W	W					
October 2018	3.3	55.9	-	337.6	-	W	W	W					
November 2017	W	51.1	-	402.8	-	W	W	W					
Tennessee													
November 2018	7.8	1,518.7	-	371.6	-	W	W	W					
October 2018	10.6	1,528.6	-	278.3	-	W	W	W					
November 2017	7.6	1,427.6	-	309.5	-	W	W	W					
Wisconsin													
November 2018	4.0	214.4	-	1,490.9	-	W	W	W					
October 2018	5.7	216.3	-	958.1	-	W	W	W					
November 2017	5.6	169.8	-	1,646.5	-	W	W	W					
PAD District 3													
November 2018	65.2	15,592.9	-	12,821.6	W	W	3,681.4						
October 2018	64.5	16,140.6	-	12,347.4	W	W	4,331.1						
November 2017	85.2	15,808.0	-	14,309.7	W	W	3,713.2						
Alabama													
November 2018	6.6	282.8	-	441.9	W	W	W						
October 2018	6.7	194.0	-	283.4	-	W	W						
November 2017	8.4	207.9	-	358.5	W	W	W						
Arkansas													
November 2018	5.5	165.4	-	266.1	-	-	-	-					
October 2018	4.3	193.9	-	191.9	-	-	-	-					
November 2017	5.8	145.9	-	179.0	-	-	-	-					
Louisiana													
November 2018	6.3	2,883.7	-	1,298.0	-	1,119.0	1,119.0						
October 2018	7.5	2,985.7	-	1,164.6	-	1,200.5	1,200.5						
November 2017	6.9	3,721.0	-	935.0	-	557.7	557.7						
Mississippi													
November 2018	4.2	1,643.7	-	439.4	-	W	W						
October 2018	4.0	1,735.2	-	282.3	-	W	W						
November 2017	13.1	1,458.2	-	303.2	-	W	W						
New Mexico													
November 2018	3.0	120.2	-	234.2	-	-	-	-					
October 2018	5.1	145.5	-	223.5	-	-	-	-					
November 2017	4.0	130.4	-	161.0	-	-	-	-					
Texas													
November 2018	39.7	10,497.1	-	10,142.0	89.8	2,380.2	2,470.0						
October 2018	36.8	10,886.3	-	10,201.7	W	W	3,033.5						
November 2017	47.1	10,144.7	-	12,372.9	197.0	2,843.1	3,040.1						

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 4							
November 2018	24.6	1,881.8	-	1,203.0	-	-	W
October 2018	30.2	2,022.2	-	1,041.9	-	-	W
November 2017	25.4	2,006.5	-	1,015.3	-	-	W
Colorado							
November 2018	9.2	959.6	-	396.5	-	-	-
October 2018	10.6	983.5	-	330.0	-	-	-
November 2017	9.1	1,186.3	-	270.6	-	-	-
Idaho							
November 2018	5.0	98.8	-	135.0	-	-	-
October 2018	5.6	112.7	-	115.4	-	-	-
November 2017	4.3	89.0	-	113.6	-	-	-
Montana							
November 2018	3.1	106.4	-	233.4	-	-	-
October 2018	5.4	114.4	-	219.5	-	-	-
November 2017	3.8	82.0	-	246.7	-	-	-
Utah							
November 2018	6.4	662.3	-	133.1	-	-	-
October 2018	6.8	764.9	-	113.9	-	-	-
November 2017	6.1	601.9	-	95.9	-	-	-
Wyoming							
November 2018	0.8	54.6	-	305.0	-	W	W
October 2018	1.8	46.7	-	263.2	-	W	W
November 2017	2.0	47.2	-	288.5	-	W	W
PAD District 5							
November 2018	84.1	20,294.2	-	2,541.5	W	W	4,382.0
October 2018	204.2	20,597.0	-	2,328.9	W	W	5,174.8
November 2017	80.8	19,257.8	-	2,260.9	966.0	3,855.2	4,821.2
Alaska							
November 2018	W	2,210.6	-	W	-	-	-
October 2018	W	1,901.1	-	W	-	-	-
November 2017	W	2,031.6	-	W	-	-	-
Arizona							
November 2018	23.4	507.8	-	300.4	-	-	-
October 2018	23.7	477.0	-	218.5	-	-	-
November 2017	21.8	498.1	-	147.0	-	-	-
California							
November 2018	39.1	12,607.5	-	1,266.4	W	W	2,036.9
October 2018	141.2	13,235.7	-	1,188.7	W	W	2,360.2
November 2017	39.0	12,093.6	-	1,164.2	W	W	2,404.3
Hawaii							
November 2018	W	1,507.7	-	W	W	180.1	W
October 2018	W	1,485.7	-	W	W	W	1,577.3
November 2017	W	1,333.3	-	W	W	W	1,113.5
Nevada							
November 2018	4.4	653.8	-	138.1	-	-	-
October 2018	4.8	627.6	-	100.2	-	-	-
November 2017	W	552.3	-	106.5	-	-	-
Oregon							
November 2018	8.3	547.6	-	188.5	-	-	-
October 2018	17.0	512.4	-	176.4	-	-	-
November 2017	7.7	456.6	-	163.6	-	-	-
Washington							
November 2018	6.7	2,259.3	-	596.5	-	W	W
October 2018	13.7	2,357.5	-	583.8	-	1,237.3	1,237.3
November 2017	6.9	2,292.3	-	649.4	-	1,303.4	1,303.4

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state
thousand gallons per day

Geographic area month	Kerosene	No. 2 distillate						Total distillate and kerosene	
		No. 2 diesel fuel							
		No. 1 distillate	No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate		
United States									
November 2018	W	2,861.3	11,780.0	165,773.3	W	W	178,874.5	183,323.2	
October 2018	W	1,341.7	7,467.8	177,857.0	W	W	186,994.9	189,162.8	
November 2017	W	2,491.8	10,581.2	162,482.8	109.5	1,093.7	174,267.2	178,271.0	
PAD District 1									
November 2018	547.7	W	11,252.7	41,137.4	-	261.1	52,651.2	53,440.9	
October 2018	312.1	W	7,000.7	42,519.1	-	319.2	49,839.0	50,316.1	
November 2017	465.9	W	10,073.2	39,311.4	W	W	49,574.1	50,249.8	
Subdistrict 1A									
November 2018	164.4	W	5,126.8	W	-	W	9,117.3	9,335.1	
October 2018	97.7	W	3,125.2	W	-	W	6,976.9	7,142.8	
November 2017	140.6	W	4,697.5	W	-	W	8,142.7	8,324.6	
Connecticut									
November 2018	W	W	1,124.1	758.7	-	-	1,882.8	1,903.1	
October 2018	W	W	605.1	779.9	-	-	1,385.0	1,437.8	
November 2017	W	W	1,102.4	707.6	-	-	1,810.0	1,838.7	
Maine									
November 2018	W	W	917.4	W	-	W	1,647.2	1,758.3	
October 2018	W	W	655.9	W	-	W	1,314.2	1,383.6	
November 2017	W	W	844.5	W	-	W	1,519.6	1,619.4	
Massachusetts									
November 2018	16.5	W	1,561.5	W	-	W	3,014.5	3,040.8	
October 2018	W	W	970.1	W	-	W	2,341.3	2,352.3	
November 2017	5.8	W	1,436.4	W	-	W	2,543.2	2,552.7	
New Hampshire									
November 2018	22.0	W	635.4	480.8	-	-	1,116.2	1,150.1	
October 2018	4.6	W	413.9	448.1	-	-	862.0	882.6	
November 2017	22.7	W	564.5	369.1	-	-	933.6	962.5	
Rhode Island									
November 2018	W	W	539.7	377.4	-	-	917.1	918.4	
October 2018	W	W	255.9	384.7	-	-	640.6	641.3	
November 2017	W	W	482.6	W	-	W	895.1	896.3	
Vermont									
November 2018	16.9	W	348.7	190.9	-	-	539.6	564.4	
October 2018	9.0	W	224.3	209.5	-	-	433.7	445.2	
November 2017	7.9	W	267.1	174.1	-	-	441.2	455.0	
Subdistrict 1B									
November 2018	265.6	W	5,900.1	W	-	W	20,078.5	20,508.6	
October 2018	129.3	W	3,651.9	W	-	W	18,078.8	18,289.8	
November 2017	215.7	W	5,281.6	W	-	W	18,334.5	18,688.8	
Delaware									
November 2018	W	-	W	278.3	-	W	313.2	317.7	
October 2018	W	-	W	301.6	-	W	W	326.6	
November 2017	W	-	W	W	-	-	W	625.7	
District of Columbia									
November 2018	-	-	W	W	-	-	46.8	46.8	
October 2018	W	-	W	W	-	-	W	46.4	
November 2017	-	-	W	W	-	-	43.8	43.8	
Maryland									
November 2018	W	W	438.2	W	-	W	2,231.4	2,258.5	
October 2018	W	W	235.5	W	-	W	2,114.5	2,131.7	
November 2017	W	W	341.9	W	-	W	2,096.3	2,116.5	
New Jersey									
November 2018	W	-	1,451.9	W	-	W	5,306.3	5,330.1	
October 2018	W	-	959.5	W	-	W	4,466.7	4,476.6	
November 2017	W	-	1,061.1	3,326.9	-	W	W	4,451.1	
New York									
November 2018	141.4	W	2,557.2	W	-	W	5,953.6	6,253.2	
October 2018	55.1	W	1,431.5	W	-	W	5,072.8	5,207.5	
November 2017	92.0	W	2,267.7	W	-	W	5,548.6	5,777.6	
Pennsylvania									
November 2018	73.6	1.6	1,413.3	W	-	W	6,227.1	6,302.4	
October 2018	W	W	1,001.8	W	-	W	6,055.2	6,101.0	
November 2017	W	W	1,327.4	W	-	W	5,610.6	5,674.0	

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)
thousand gallons per day

Geographic area month	Kerosene	No. 2 distillate						Total distillate and kerosene	
		No. 2 diesel fuel							
		No. 1 distillate	No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate		
Subdistrict 1C									
November 2018	117.7	W	225.8	W	-	W	23,455.3	23,597.2	
October 2018	85.1	15.0	223.6	W	-	W	24,783.3	24,883.4	
November 2017	109.6	29.9	94.1	22,952.9	W	W	23,096.9	23,236.4	
Florida									
November 2018	W	W	W	6,359.8	-	W	6,490.6	6,492.0	
October 2018	W	-	-	6,751.3	-	W	W	6,864.0	
November 2017	W	-	-	6,264.1	W	W	W	6,313.3	
Georgia									
November 2018	9.6	W	-	W	-	W	4,530.7	4,541.2	
October 2018	W	W	-	W	-	W	4,961.1	4,965.6	
November 2017	W	W	-	W	-	W	4,727.9	4,732.5	
North Carolina									
November 2018	W	W	W	3,872.8	-	W	3,894.1	3,965.0	
October 2018	W	W	W	W	-	-	4,155.3	4,207.4	
November 2017	W	W	W	W	-	-	3,960.7	4,011.2	
South Carolina									
November 2018	11.3	-	W	2,916.2	-	W	2,923.1	2,934.3	
October 2018	10.8	-	W	3,024.1	-	W	3,034.5	3,045.3	
November 2017	11.7	-	W	W	-	-	2,890.9	2,902.6	
Virginia									
November 2018	31.7	-	130.9	W	-	W	4,312.1	4,343.8	
October 2018	22.8	-	148.5	4,151.9	-	-	4,300.5	4,323.3	
November 2017	W	W	46.9	W	-	W	4,097.8	4,160.4	
West Virginia									
November 2018	W	W	38.1	1,266.7	-	-	1,304.8	1,320.9	
October 2018	W	W	36.9	W	-	-	W	1,477.8	
November 2017	W	W	13.8	W	-	-	W	1,116.4	
PAD District 2									
November 2018	203.6	2,000.9	64.8	W	-	W	52,797.2	55,001.7	
October 2018	94.0	639.6	50.5	W	-	W	59,513.5	60,247.2	
November 2017	W	1,677.7	162.8	W	-	W	53,205.5	55,036.4	
Illinois									
November 2018	11.1	72.6	-	5,872.7	-	-	5,872.7	5,956.3	
October 2018	4.4	20.1	-	6,986.2	-	-	6,986.2	7,010.7	
November 2017	8.8	50.9	-	6,727.2	-	-	6,727.2	6,786.9	
Indiana									
November 2018	27.5	15.0	-	W	-	W	4,372.5	4,415.0	
October 2018	W	W	-	W	-	W	4,907.3	4,924.7	
November 2017	W	W	-	4,285.4	-	-	4,285.4	4,318.8	
Iowa									
November 2018	W	W	W	W	-	-	3,087.4	3,395.7	
October 2018	1.5	41.5	W	W	-	-	3,559.8	3,602.8	
November 2017	2.1	187.5	W	W	-	-	3,491.1	3,680.7	
Kansas									
November 2018	4.6	202.8	-	2,831.3	-	-	2,831.3	3,038.7	
October 2018	3.3	69.3	-	2,943.5	-	-	2,943.5	3,016.0	
November 2017	W	W	-	2,809.7	-	-	2,809.7	2,955.3	
Kentucky									
November 2018	W	W	-	2,732.7	-	-	2,732.7	2,761.3	
October 2018	W	W	-	W	-	W	3,003.1	3,018.3	
November 2017	W	W	W	W	-	-	2,650.0	2,676.0	
Michigan									
November 2018	11.8	25.6	W	3,317.8	-	W	3,372.6	3,410.1	
October 2018	8.8	11.9	W	3,619.2	-	W	3,655.2	3,675.9	
November 2017	12.4	27.6	W	W	-	-	3,411.2	3,451.2	
Minnesota									
November 2018	10.0	356.4	W	W	-	-	2,843.2	3,209.6	
October 2018	5.3	108.3	W	W	-	-	3,669.0	3,782.6	
November 2017	17.8	379.6	13.1	3,055.8	-	-	3,068.9	3,466.3	
Missouri									
November 2018	1.0	25.9	W	W	-	-	3,737.9	3,764.8	
October 2018	2.2	7.4	W	W	-	-	3,975.6	3,985.1	
November 2017	1.4	16.4	W	W	-	-	3,874.4	3,892.2	

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)
thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 distillate				Total distillate and kerosene				
				No. 2 diesel fuel								
				Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate					
PAD District 2 (cont.)												
Nebraska												
November 2018	W	W	-	2,119.7	-	-	2,119.7	2,329.8				
October 2018	W	W	W	W	-	-	2,603.7	2,668.7				
November 2017	W	W	W	W	-	-	2,251.0	2,386.6				
North Dakota												
November 2018	W	W	W	W	-	-	1,835.7	2,290.1				
October 2018	W	W	W	W	-	-	2,314.4	2,528.6				
November 2017	W	W	W	W	-	-	1,712.1	2,152.3				
Ohio												
November 2018	W	W	W	5,883.4	-	W	5,885.1	5,933.8				
October 2018	W	W	W	W	-	-	6,470.3	6,495.9				
November 2017	W	W	W	W	-	W	5,592.2	5,634.2				
Oklahoma												
November 2018	W	W	W	W	-	-	6,193.1	6,200.2				
October 2018	W	W	W	W	-	-	6,650.9	6,664.6				
November 2017	W	W	W	W	-	-	5,145.0	5,150.5				
South Dakota												
November 2018	W	W	W	W	-	-	967.1	1,206.6				
October 2018	W	W	W	W	-	-	1,140.7	1,194.4				
November 2017	W	W	W	W	-	-	1,030.1	1,201.4				
Tennessee												
November 2018	W	W	-	3,881.8	-	-	3,881.8	3,897.5				
October 2018	W	W	-	W	-	W	4,154.1	4,164.5				
November 2017	W	W	-	3,744.7	-	-	3,744.7	3,754.8				
Wisconsin												
November 2018	3.3	124.5	W	W	-	-	3,064.5	3,192.3				
October 2018	3.6	31.1	W	W	-	-	3,479.7	3,514.4				
November 2017	6.8	109.9	W	W	-	-	3,412.6	3,529.3				
PAD District 3												
November 2018	657.6	1.0	390.0	41,446.9	W	W	42,198.5	42,857.1				
October 2018	326.4	2.0	362.8	42,498.1	W	W	43,286.0	43,614.4				
November 2017	737.2	1.2	259.8	41,506.0	W	W	42,165.2	42,903.5				
Alabama												
November 2018	W	-	-	2,763.4	W	W	W	2,844.4				
October 2018	W	-	-	3,015.7	W	W	W	3,072.7				
November 2017	W	-	-	2,733.9	W	W	W	2,836.8				
Arkansas												
November 2018	-	-	W	W	-	-	2,017.4	2,017.4				
October 2018	-	W	W	W	-	-	W	2,373.3				
November 2017	W	W	W	W	-	-	2,154.6	2,155.4				
Louisiana												
November 2018	W	W	W	5,483.2	-	W	5,783.7	6,390.0				
October 2018	W	W	W	W	-	W	6,349.4	6,599.8				
November 2017	W	-	W	5,745.1	-	W	W	6,584.0				
Mississippi												
November 2018	W	W	-	W	-	W	1,870.7	1,872.1				
October 2018	W	W	-	2,263.8	-	-	2,263.8	2,264.7				
November 2017	W	-	-	W	-	-	W	2,127.1				
New Mexico												
November 2018	-	W	-	W	-	-	W	2,214.3				
October 2018	W	W	-	2,201.7	-	-	2,201.7	2,202.0				
November 2017	-	W	-	W	-	-	W	2,082.1				
Texas												
November 2018	W	W	203.1	27,100.3	-	208.3	27,511.7	27,518.9				
October 2018	W	W	191.2	26,589.5	-	282.1	27,062.7	27,101.9				
November 2017	W	W	152.6	26,676.3	W	W	27,113.3	27,118.2				

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)
thousand gallons per day

Geographic area month	Kerosene	No. 2 distillate						Total distillate and kerosene	
		No. 2 diesel fuel							
		No. 1 distillate	No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate		
PAD District 4									
November 2018	W	W	W	W	-	-	8,632.8	8,964.5	
October 2018	W	W	W	W	-	-	9,538.0	9,731.0	
November 2017	W	W	W	W	-	-	8,667.2	8,953.3	
Colorado									
November 2018	-	93.1	-	2,291.7	-	-	2,291.7	2,384.9	
October 2018	-	45.5	-	2,563.9	-	-	2,563.9	2,609.5	
November 2017	-	81.1	-	2,327.5	-	-	2,327.5	2,408.6	
Idaho									
November 2018	W	W	W	W	-	-	1,435.9	1,461.3	
October 2018	W	W	W	W	-	-	1,387.2	1,403.3	
November 2017	-	26.0	W	W	-	-	1,259.4	1,285.4	
Montana									
November 2018	-	91.7	-	1,644.1	-	-	1,644.1	1,735.8	
October 2018	-	49.0	W	W	-	-	1,844.7	1,893.6	
November 2017	-	85.8	-	1,600.6	-	-	1,600.6	1,686.4	
Utah									
November 2018	W	W	W	W	-	-	1,650.1	1,683.9	
October 2018	-	18.7	W	W	-	-	2,018.5	2,037.2	
November 2017	W	W	W	W	-	-	1,923.6	1,953.1	
Wyoming									
November 2018	-	87.6	-	W	-	-	1,611.0	1,698.6	
October 2018	-	63.7	-	W	-	-	1,723.7	1,787.4	
November 2017	-	63.8	-	W	-	-	1,556.1	1,619.9	
PAD District 5									
November 2018	29.9	434.4	W	W	W	594.4	22,594.8	23,059.1	
October 2018	21.1	414.7	W	W	W	793.2	24,818.4	25,254.2	
November 2017	31.5	441.4	W	W	W	547.2	20,655.1	21,128.0	
Alaska									
November 2018	-	W	W	W	-	W	W	W	
October 2018	-	W	W	W	-	W	W	W	
November 2017	-	W	W	W	-	-	W	638.9	
Arizona									
November 2018	-	-	-	2,732.7	-	-	2,732.7	2,732.7	
October 2018	-	-	-	2,702.2	-	-	2,702.2	2,702.2	
November 2017	-	-	-	2,718.2	-	-	2,718.2	2,718.2	
California									
November 2018	W	W	-	W	-	W	11,129.5	11,154.1	
October 2018	W	W	-	W	-	W	13,248.1	13,270.1	
November 2017	24.9	W	-	10,350.0	-	W	W	10,568.2	
Hawaii									
November 2018	-	-	-	381.2	W	W	W	W	
October 2018	-	-	-	464.8	W	W	W	W	
November 2017	-	-	-	381.1	W	W	743.6	743.6	
Nevada									
November 2018	W	W	W	W	-	-	1,581.1	1,593.6	
October 2018	W	W	W	W	-	-	1,695.6	1,702.7	
November 2017	W	W	W	W	-	-	1,534.2	1,543.1	
Oregon									
November 2018	-	W	-	2,154.2	-	W	W	2,179.6	
October 2018	-	W	-	W	-	-	W	2,247.5	
November 2017	W	W	-	1,998.2	-	-	1,998.2	2,028.7	
Washington									
November 2018	W	W	W	3,945.3	-	W	3,967.4	3,979.5	
October 2018	W	W	W	3,694.7	-	W	3,705.5	3,719.7	
November 2017	W	W	W	2,852.5	-	W	2,872.7	2,887.2	

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: - Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil (published on Table 46). - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."